

Oscar Straniero

List of Publications by Year in descending order

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Version: 2024-02-01

223
papers

13,348
citations

20817

60
h-index

24258

110
g-index

227
all docs

227
docs citations

227
times ranked

4661
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The status and future of direct nuclear reaction measurements for stellar burning. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2022, 49, 010501. | 3.6 | 13 |
| 2 | Extremely Metal-Poor Asymptotic Giant Branch Stars. <i>Universe</i> , 2022, 8, 44. | 2.5 | 1 |
| 3 | Type Ia SN progenitors: pre-explosion phase in nearly Chandrasekhar mass WDs. <i>EPJ Web of Conferences</i> , 2022, 260, 06001. | 0.3 | 0 |
| 4 | Pre-explosive Accretion and Simmering Phases of SNe Ia. <i>Astrophysical Journal</i> , 2022, 926, 103. | 4.5 | 10 |
| 5 | Constraining Heavy Axionlike Particles by Energy Deposition in Globular Cluster Stars. <i>Physical Review Letters</i> , 2022, 129, . | 7.8 | 8 |
| 6 | Constraints on Axionlike Particles from a Hard X-Ray Observation of Betelgeuse. <i>Physical Review Letters</i> , 2021, 126, 031101. | 7.8 | 25 |
| 7 | Direct Measurement of the C associated Equipment, 2021, | 1.6 | 21 |
| 8 | Characterization of the LLINA neutron detector array for the measurement of the ^{13}C reaction. | 7.8 | 40 |
| 9 | The baryon density of the Universe from an improved rate of deuterium burning. <i>Nature</i> , 2020, 587, 210-213. | 27.8 | 101 |
| 10 | Constraints on the coupling with photons of heavy axion-like-particles from Globular Clusters. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 809, 135709. | 4.1 | 49 |
| 11 | Underground experimental study finds no evidence of low-energy resonance in the ^{13}C reaction. | 2.9 | 12 |
| 12 | A new approach to monitor ^{13}C targets degradation in situ for $^{13}C(\alpha, n)^{12}C$ reaction. | 2.5 | 20 |
| 13 | Properties of carbon stars in the solar neighbourhood based on <i>Gaia</i> DR2 astrometry. <i>Astronomy and Astrophysics</i> , 2020, 633, A135. | 5.1 | 21 |
| 14 | The RGB tip of galactic globular clusters and the revision of the axion-electron coupling bound. <i>Astronomy and Astrophysics</i> , 2020, 644, A166. | 5.1 | 39 |
| 15 | The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 642, A227. | 5.1 | 14 |
| 16 | Setup commissioning for an improved measurement of the $D(p, \gamma)^3He$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020, 56, 1. | 2.5 | 22 |
| 17 | The M Supergiant High-mass X-Ray Binary 4U 1954+31. <i>Astrophysical Journal</i> , 2020, 904, 143. | 4.5 | 14 |
| 18 | Direct measurements of low-energy resonance strengths of the $^{23}Na(p, ^3He)^{24}Mg$ reaction for astrophysics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 122-128. | 4.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Cross section of the reaction $^{18}\text{O}(p, \hat{p}^3)^{19}\text{F}$ at astrophysical energies: The 90 keV resonance and the direct capture component. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134900. | 4.1 | 18 |
| 20 | Improved astrophysical rate for the $^{18}\text{O}(p, \hat{p}^{\pm})^{15}\text{N}$ reaction by underground measurements. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 237-242. | 4.1 | 22 |
| 21 | Carbon and Oxygen Isotopic Ratios. II. Semiregular Variable M Giants. <i>Astrophysical Journal</i> , 2019, 886, 117. | 4.5 | 9 |
| 22 | The Initial Mass-Final Luminosity Relation of Type II Supernova Progenitors: Hints of New Physics?. <i>Astrophysical Journal</i> , 2019, 881, 158. | 4.5 | 20 |
| 23 | Axions and the Final Fate of Stars. <i>Springer Proceedings in Physics</i> , 2019, , 147-150. | 0.2 | 0 |
| 24 | Improved background suppression for radiative capture reactions at LUNA with HPGe and BGO detectors. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 025203. | 3.6 | 30 |
| 25 | A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV $^{22}\text{Ne}(p, \gamma)^{23}\text{Na}$ resonance. <i>European Physical Journal A</i> , 2018, 54, 1. | 2.5 | 39 |
| 26 | Carbon and oxygen isotopes in AGB stars. From the cores of AGB stars to presolar dust. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 447-448. | 0.0 | 1 |
| 27 | On the mass of supernova progenitors. <i>European Physical Journal Plus</i> , 2018, 133, 1. | 2.6 | 1 |
| 28 | Direct Capture Cross Section and the ^{105}KeV Resonances in the $^{22}\text{Ne}(p, \hat{p}^3)^{23}\text{Na}$ and ^{105}KeV Resonances in the $^{22}\text{Ne}(p, \hat{p}^{\pm})^{23}\text{Na}$ reaction. <i>Physical Review Letters</i> , 2018, 121, 172701. | 7.8 | 30 |
| 29 | Carbon and oxygen isotopes in AGB stars. From the cores of AGB stars to presolar dust. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 447-448. | 2.9 | 40 |
| 30 | Effect of beam energy straggling on resonant yield in thin gas targets: The cases $^{22}\text{Ne}(p, \hat{p}^3)^{23}\text{Na}$ and $^{14}\text{N}(p, \hat{p}^3)^{15}\text{O}$. <i>Europhysics Letters</i> , 2018, 122, 52001. | 2.0 | 13 |
| 31 | The Importance of the $^{13}\text{C}(\hat{p}, n)^{16}\text{O}$ Reaction in Asymptotic Giant Branch Stars. <i>Astrophysical Journal</i> , 2018, 859, 105. | 4.5 | 50 |
| 32 | Origin of meteoritic stardust unveiled by a revised proton-capture rate of ^{17}O . <i>Nature Astronomy</i> , 2017, 1, . | 10.1 | 64 |
| 33 | Big Bang ^6Li nucleosynthesis studied deep underground (LUNA collaboration). <i>Astroparticle Physics</i> , 2017, 89, 57-65. | 4.3 | 37 |
| 34 | The impact of the revised $^{17}\text{O}(p, \hat{p}^{\pm})^{14}\text{N}$ reaction rate on ^{17}O stellar abundances and yields. <i>Astronomy and Astrophysics</i> , 2017, 598, A128. | 5.1 | 25 |
| 35 | The puzzle of the CNO isotope ratios in asymptotic giant branch carbon stars. <i>Astronomy and Astrophysics</i> , 2017, 599, A39. | 5.1 | 26 |
| 36 | ^{22}Ne and ^{23}Na ejecta from intermediate-mass stars: the impact of the new LUNA rate for $^{22}\text{Ne}(p, \hat{p}^3)^{23}\text{Na}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4817-4837. | 4.4 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Measurement of 1323 and 1487 keV resonances in ^{15}N with the recoil separator ERN | 2.9 | 13 |
| 38 | SNe Ia Keep Memory of Their Progenitor Metallicity. <i>Astrophysical Journal Letters</i> , 2017, 836, L9. | 8.3 | 19 |
| 39 | Dark matter constraints from stellar evolution. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012015. | 0.4 | 0 |
| 40 | Do we really know M_{up} (i.e. the transition mass between Type Ia and core-collapse) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 | 0.4 | 12 |
| 41 | Helium burning and neutron sources in the stars. <i>European Physical Journal A</i> , 2016, 52, 1. | 2.5 | 10 |
| 42 | Improved Direct Measurement of the 64.5 keV Resonance Strength in the ^{17}O | | |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | A new study of the $^{22}\text{Ne}(p, \hat{1}^3)^{23}\text{Na}$ reaction deep underground: Feasibility, setup and first observation of the 186 keV resonance. <i>European Physical Journal A</i> , 2014, 50, 1. | 2.5 | 46 |
| 56 | BARIUM ISOTOPIC COMPOSITION OF MAINSTREAM SILICON CARBIDES FROM MURCHISON: CONSTRAINTS FOR s -PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2014, 786, 66. | 4.5 | 67 |
| 57 | HEAVY ELEMENTS IN GLOBULAR CLUSTERS: THE ROLE OF ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2014, 785, 77. | 4.5 | 57 |
| 58 | Revisiting the Bound on Axion-Photon Coupling from Globular Clusters. <i>Physical Review Letters</i> , 2014, 113, 191302. | 7.8 | 300 |
| 59 | First Direct Measurement of the $\langle \sigma v \rangle$ of $^{25}\text{Mg}(p, \hat{1}^3)^{26}\text{Al}$ Reaction. <i>Astrophysical Journal</i> , 2013, 763, 100. | 7.8 | 95 |
| 60 | Cross-section measurements at astrophysically relevant energies: The LUNA experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 742, 258-260. | 1.6 | 2 |
| 61 | IMPACT OF A REVISED $^{25}\text{Mg}(p, \hat{1}^3)^{26}\text{Al}$ REACTION RATE ON THE OPERATION OF THE Mg-Al CYCLE. <i>Astrophysical Journal</i> , 2013, 763, 100. | 4.5 | 52 |
| 62 | THE EFFECTS OF ROTATION ON s -PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2013, 774, 98. | 4.5 | 101 |
| 63 | NITROGEN ISOTOPES IN ASYMPTOTIC GIANT BRANCH CARBON STARS AND PRESOLAR SiC GRAINS: A CHALLENGE FOR STELLAR NUCLEOSYNTHESIS. <i>Astrophysical Journal Letters</i> , 2013, 768, L11. | 8.3 | 38 |
| 64 | Stellar modelling: the AGB zoo. <i>EAS Publications Series</i> , 2013, 63, 395-400. | 0.3 | 0 |
| 65 | CEMP-s and CEMP-s/r stars: last update. <i>EAS Publications Series</i> , 2013, 63, 25-34. | 0.3 | 0 |
| 66 | Two barium stars in the Galactic bulge. <i>Astronomy and Astrophysics</i> , 2013, 554, A30. | 5.1 | 5 |
| 67 | First Direct Measurement of the $\langle \sigma v \rangle$ of $^{25}\text{Mg}(p, \hat{1}^3)^{26}\text{Al}$ Reaction. <i>Astrophysical Journal</i> , 2013, 763, 100. | 7.8 | 95 |
| 68 | Preparation and characterisation of isotopically enriched Ta ₂ O ₅ targets for nuclear astrophysics studies. <i>European Physical Journal A</i> , 2012, 48, 1. | 2.5 | 43 |
| 69 | The $^{25}\text{Mg}(p, \hat{1}^3)^{26}\text{Al}$ reaction at low astrophysical energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 707, 60-65. | 4.1 | 64 |
| 70 | The s -process in low-metallicity stars - III. Individual analysis of CEMP-s and CEMP-s/r with asymptotic giant branch models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 849-884. | 4.4 | 96 |
| 71 | Type Ia supernovae and the $^{12}\text{C} + ^{12}\text{C}$ reaction rate. <i>Astronomy and Astrophysics</i> , 2011, 535, A114. | 5.1 | 27 |
| 72 | He-accreting WDs as SNe Ia Progenitors. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 209-212. | 0.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | THE FIRST FLUORINE ABUNDANCE DETERMINATIONS IN EXTRAGALACTIC ASYMPTOTIC GIANT BRANCH CARBON STARS. <i>Astrophysical Journal Letters</i> , 2011, 737, L8. | 8.3 | 38 |
| 74 | NGC 1866: a milestone for understanding the chemical evolution of stellar populations in the Large Magellanic Cloud.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 837-851. | 4.4 | 50 |
| 75 | The s-process in low-metallicity stars - II. Interpretation of high-resolution spectroscopic observations with asymptotic giant branch models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 837-851. The N in the N is a normal N | 4.4 | 182 |
| 76 | | | |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Direct measurement of the $^{15}\text{N}(p,\hat{1}^3)^{16}\text{O}$ total cross section at novae energies. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 045202. | 3.6 | 45 |
| 92 | Ultra-sensitive in-beam γ -ray spectroscopy for nuclear astrophysics at LUNA. European Physical Journal A, 2009, 39, 179-186. | 2.5 | 59 |
| 93 | C/O white dwarfs of very low mass: $0.33\text{-}0.5\text{ M}_{\odot}$. Journal of Physics: Conference Series, 2009, 172, 012011. | 0.4 | 1 |
| 94 | Fluorine Abundances in AGB Carbon Stars: New Results?. Publications of the Astronomical Society of Australia, 2009, 26, 351-353. | 3.4 | 3 |
| 95 | $\langle\text{scp}\rangle$ montage: AGB Nucleosynthesis with Full $\langle\text{i}\rangle\text{s}\langle\text{i}\rangle$ -Process Calculations. Publications of the Astronomical Society of Australia, 2009, 26, 217-224. | 3.4 | 8 |
| 96 | Time-Scales of the $\langle\text{i}\rangle\text{s}\langle\text{i}\rangle$ Process: from Minutes to Ages. Publications of the Astronomical Society of Australia, 2009, 26, 209-216. | 3.4 | 2 |
| 97 | Galactic Chemical Evolution of the $\langle\text{i}\rangle\text{s}\langle\text{i}\rangle$ Process from AGB Stars. Publications of the Astronomical Society of Australia, 2009, 26, 153-160. | 3.4 | 26 |
| 98 | Barium Stars: Theoretical Interpretation. Publications of the Astronomical Society of Australia, 2009, 26, 176-183. | 3.4 | 27 |
| 99 | The ^{13}C Pocket in Low-Mass AGB Stars. Publications of the Astronomical Society of Australia, 2009, 26, 133-138. | 3.4 | 12 |
| 100 | Asymptotic-Giant-Branch Models at Very Low Metallicity. Publications of the Astronomical Society of Australia, 2009, 26, 139-144. | 3.4 | 59 |
| 101 | Interpretation of CEMP($\langle\text{i}\rangle\text{s}\langle\text{i}\rangle$) and CEMP($\langle\text{i}\rangle\text{s}\langle\text{i}\rangle + \langle\text{i}\rangle\text{r}\langle\text{i}\rangle$) Stars with AGB Models. Publications of the Astronomical Society of Australia, 2009, 26, 314-321. | 3.4 | 21 |
| 102 | The puzzling dredge-up pattern in NGC 1978. Astronomy and Astrophysics, 2009, 502, 913-927. | 5.1 | 18 |
| 103 | Very low-mass white dwarfs with a ^{16}O core. Astronomy and Astrophysics, 2009, 507, 1575-1583. | 5.1 | 32 |
| 104 | The S-factor at solar energies: The prompt $\hat{1}^3$ experiment at LUNA. Nuclear Physics A, 2008, 814, 144-158. | 1.5 | 71 |
| 105 | Ground state capture in $^{14}\text{N}(p,\hat{1}^3)^{15}\text{O}$ studied above the 259 keV resonance at LUNA. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014019. | 3.6 | 2 |
| 106 | Comparison of the LUNA $^3\text{He}(\hat{1}^3, \hat{1}^3)^7\text{Be}$ activation results with earlier measurements and model calculations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014002. | 3.6 | 2 |
| 107 | First time-series optical photometry from Dome C. EAS Publications Series, 2008, 33, 267-270. | 0.3 | 1 |
| 108 | Infrared Observations of Supernovae with IRAIT at Dome C. EAS Publications Series, 2008, 33, 239-242. | 0.3 | 0 |

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|-----|---|-----|-----------|
| 109 | CEMPs Stars: AGB Yield Predictions and Thermohaline Mixing. , 2008, , . | | 3 |
| 110 | A study of AGB stars in LMC clusters. Proceedings of the International Astronomical Union, 2008, 4, 397-402. | 0.0 | 0 |
| 111 | AGB stars of the intermediate-age LMC cluster NGC 1846. Astronomy and Astrophysics, 2008, 486, 511-521. | 5.1 | 36 |
| 112 | Fluorine in carbon-enhanced metal-poor stars: a binary scenario. Astronomy and Astrophysics, 2008, 484, L27-L30. | 5.1 | 27 |
| 113 | Astrophysical factor of the $^3\text{He}(\alpha, n)^7\text{Be}$ reaction measured at low energy via detection of prompt and delayed γ rays. Physical Review C, 2007, 75, . | 2.9 | 117 |
| 114 | $^3\text{He}(\alpha, n)^7\text{Be}$ cross section at low energies. Physical Review C, 2007, 75, . | 2.9 | 86 |
| 115 | Moving Optical Systems of IRAIT: Design and Construction. EAS Publications Series, 2007, 25, 221-224. | 0.3 | 0 |
| 116 | $^{12}\text{C}(\alpha, n)^{16}\text{O}$: A Template for Nuclear Astrophysics. EAS Publications Series, 2007, 27, 161-169. | 0.3 | 0 |
| 117 | Deep FORS1 Observations of the Double Main Sequence of α Centauri. Astrophysical Journal, 2007, 654, 915-922. | 4.5 | 98 |
| 118 | Molecular Opacities for Low-Mass Metal-poor AGB Stars Undergoing the Third Dredge-up. Astrophysical Journal, 2007, 667, 489-496. | 4.5 | 74 |
| 119 | A method to derive the absolute composition of the Sun, the solar system, and the stars. Astronomy and Astrophysics, 2007, 462, 1051-1062. | 5.1 | 36 |
| 120 | White dwarf cooling sequences. Astronomy and Astrophysics, 2007, 466, 1043-1051. | 5.1 | 21 |
| 121 | An Empirical Calibration of the Mixing-length Parameter α . Astrophysical Journal, 2006, 642, 225-229. | 4.5 | 33 |
| 122 | Design and construction of the moving optical systems of IRAIT. Proceedings of the International Astronomical Union, 2006, 2, 702-704. | 0.0 | 0 |
| 123 | Underground measurement of $^{14}\text{N}(p, n)^{15}\text{O}$ astrophysical factor at low energy. Journal of Physics: Conference Series, 2006, 39, 263-265. | 0.4 | 0 |
| 124 | Rotating Type Ia SN Progenitors: Explosion and Light Curves. Astrophysical Journal, 2006, 644, 21-29. | 4.5 | 21 |
| 125 | Silicon and Carbon Isotopic Ratios in AGB Stars: SiC Grain Data, Models, and the Galactic Evolution of the Si Isotopes. Astrophysical Journal, 2006, 650, 350-373. | 4.5 | 125 |
| 126 | | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | s process in low-mass asymptotic giant branch stars. Nuclear Physics A, 2006, 777, 311-339. | 1.5 | 216 |
| 128 | CNO hydrogen burning studied deep underground. European Physical Journal A, 2006, 27, 161-170. | 2.5 | 1 |
| 129 | Low energy measurement of the $^{14}\text{N}(p, \alpha)^{13}\text{O}$ total cross section at the LUNA underground facility. Nuclear Physics A, 2006, 779, 297-317. | 1.5 | 64 |
| 130 | The International Robotic Antarctic Infrared Telescope (IRAIT). , 2006, , . | | 16 |
| 131 | Low energy underground study of $^{14}\text{N}(p, \alpha)^{13}\text{O}$ cross section. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 132 | Activation Measurement of the $^3\text{He}(\alpha, n)^7\text{Be}$ Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502. | 7.8 | 136 |
| 133 | Chemical analysis of carbon stars in the Local Group. Astronomy and Astrophysics, 2006, 446, 1107-1118. | 5.1 | 27 |
| 134 | CNO hydrogen burning studied deep underground. , 2006, , 161-170. | | 0 |
| 135 | The IRAIT Project Infrared Astronomy from Antarctica. EAS Publications Series, 2005, 14, 181-186. | 0.3 | 1 |
| 136 | Metallicities, Relative Ages, and Kinematics of Stellar Populations in ω Centauri. Astrophysical Journal, 2005, 634, 332-343. | 4.5 | 104 |
| 137 | The Metal Enrichment History of the Stellar System ω Centauri. Proceedings of the International Astronomical Union, 2005, 1, 411-412. | 0.0 | 0 |
| 138 | Chemical pollution from AGB Stars. Proceedings of the International Astronomical Union, 2005, 1, 483-484. | 0.0 | 0 |
| 139 | Abundances of s-elements in Extragalactic Carbon Stars. Proceedings of the International Astronomical Union, 2005, 1, 533-534. | 0.0 | 0 |
| 140 | S-process nucleosynthesis in low mass AGB Stars: do we really need an improved determination of the $^{13}\text{C}(\alpha, n)^{16}\text{O}$ reaction rate?. Nuclear Physics A, 2005, 758, 509-512. | 1.5 | 2 |
| 141 | Si and C Isotopes in Presolar Silicon Carbide Grains From AGB Stars. Nuclear Physics A, 2005, 758, 348-351. | 1.5 | 10 |
| 142 | Predictions of s-process Lead in low-metallicity stars compared with spectroscopic observations. Nuclear Physics A, 2005, 758, 485-488. | 1.5 | 9 |
| 143 | Feasibility of low-energy radiative-capture experiments at the LUNA underground accelerator facility. European Physical Journal A, 2005, 24, 313-319. | 2.5 | 64 |
| 144 | S-factor of $^{14}\text{N}(p, \alpha)^{13}\text{O}$ at astrophysical energies. European Physical Journal A, 2005, 25, 455-466. | 2.5 | 203 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 145 | Expected Changes of SNe with Redshift due to Evolution of Their Progenitors. International Astronomical Union Colloquium, 2005, 192, 567-572. | 0.1 | 0 |
| 146 | Recent results from the LUNA facility at Gran Sasso. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1537-S1540. | 3.6 | 3 |
| 147 | Expected Changes of SNe with Redshift due to Evolution of Their Progenitors. Springer Proceedings in Physics, 2005, , 567-572. | 0.2 | 0 |
| 148 | Oxygen, magnesium and chromium isotopic ratios of presolar spinel grains. Geochimica Et Cosmochimica Acta, 2005, 69, 4149-4165. | 3.9 | 91 |
| 149 | AMICA: the Antarctic Mid-Infrared CAmera for the IRAIT telescope. EAS Publications Series, 2005, 14, 337-342. | 0.3 | 1 |
| 150 | The bottleneck of CNO burning and the age of Globular Clusters. Astronomy and Astrophysics, 2004, 420, 625-629. | 5.1 | 121 |
| 151 | First detection of a lithium rich carbon star in the Draco dwarf galaxy: Evidence for a young stellar population. Astronomy and Astrophysics, 2004, 422, 1045-1052. | 5.1 | 30 |
| 152 | Stellar neutron capture on Tam180. II. Defining the s-process contribution to nature's rarest isotope. Physical Review C, 2004, 69, . | 2.9 | 16 |
| 153 | The Antarctic Mid-IR Camera (AMICA) for the IRAIT telescope. Astronomische Nachrichten, 2004, 325, 664-664. | 1.2 | 0 |
| 154 | Early solar system radioactivity and AGB stars. New Astronomy Reviews, 2004, 48, 133-138. | 12.8 | 13 |
| 155 | Astrophysical S-factor of $^{14}\text{N}(p, \hat{p})^{15}\text{O}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 61-68. | 4.1 | 289 |
| 156 | The Discovery of an Anomalous Subgiant Branch in the Color-Magnitude Diagram of Centauri. Astrophysical Journal, 2004, 603, L81-L84. | 4.5 | 74 |
| 157 | ^{128}Xe and ^{130}Xe : Testing He-shell Burning in Asymptotic Giant Branch Stars. Astrophysical Journal, 2004, 614, 363-370. | 4.5 | 27 |
| 158 | On the age and mass function of the globular cluster ω Centauri: A different interpretation of recent deep HST observations. Astronomy and Astrophysics, 2004, 415, 971-985. | 5.1 | 13 |
| 159 | A study of the s-process in the carbon-rich post-AGB stars IRAS 06530-0213 and IRAS 08143-4406 on the basis of VLT-LVES spectra. Astronomy and Astrophysics, 2004, 417, 269-281. | 5.1 | 58 |
| 160 | Minute steps on the quest of the s-process. Nuclear Physics A, 2003, 718, 181-188. | 1.5 | 8 |
| 161 | Nucleosynthesis in FG Sge. Nuclear Physics A, 2003, 718, 536-538. | 1.5 | 0 |
| 162 | Theoretical light curves of Type II-P supernovae and applications to cosmology. Monthly Notices of the Royal Astronomical Society, 2003, 345, 111-122. | 4.4 | 36 |

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|-----|---|-----|-----------|
| 163 | Understanding AGB Carbon Star Nucleosynthesis from Observations. Publications of the Astronomical Society of Australia, 2003, 20, 314-323. | 3.4 | 29 |
| 164 | Low-Mass AGB Stellar Models for $0.003 \leq Z \leq 0.02$: Basic Formulae for Nucleosynthesis Calculations. Publications of the Astronomical Society of Australia, 2003, 20, 389-392. | 3.4 | 100 |
| 165 | Isotopic Compositions of Strontium, Zirconium, Molybdenum, and Barium in Single Presolar SiC Grains and Asymptotic Giant Branch Stars. Astrophysical Journal, 2003, 593, 486-508. | 4.5 | 182 |
| 166 | The Chemical Composition of White Dwarfs as a Test of Convective Efficiency during Core Helium Burning. Astrophysical Journal, 2003, 583, 878-884. | 4.5 | 125 |
| 167 | ϵ -Process Nucleosynthesis in Asymptotic Giant Branch Stars: A Test for Stellar Evolution. Astrophysical Journal, 2003, 586, 1305-1319. | 4.5 | 162 |
| 168 | New Determination of $^{12}\text{C}(\hat{p}, \hat{p}^3)^{16}\text{O}$ Reaction Rate And Impact on WD Models. , 2003, , 25-26. | | 0 |
| 169 | Calibration of White Dwarf Cooling Sequences: Theoretical Uncertainty. Astrophysical Journal, 2002, 581, 585-597. | 4.5 | 54 |
| 170 | ϵ -Process Nucleosynthesis in Carbon Stars. Astrophysical Journal, 2002, 579, 817-831. | 4.5 | 149 |
| 171 | First measurement of the $d(p, \hat{p}^3)^3\text{He}$ cross section down to the solar Gamow peak. Nuclear Physics A, 2002, 706, 203-216. | 1.5 | 148 |
| 172 | The Evolutionary Properties of Zero Metal Stars in the Mass Range between 4 and 100 M_{\odot} . Astrophysics and Space Science Library, 2002, , 47-54. | 2.7 | 1 |
| 173 | The lithium content of the globular cluster NGC 6397. Astronomy and Astrophysics, 2002, 390, 91-101. | 5.1 | 138 |
| 174 | Explosive Yields of Metal-Free SNIa and the Abundances in Extremely Metal-Poor Stars. Astrophysics and Space Science Library, 2002, , 199-206. | 2.7 | 0 |
| 175 | The $^{12}\text{C}(\hat{p}, \hat{p}^3)^{16}\text{O}$ Reaction Rate and the Evolution of Stars in the Mass Range $0.8 \leq M/M_{\odot} \leq 25$. Astrophysical Journal, 2001, 558, 903-915. | 4.5 | 105 |
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