

V Parkar

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,185
citations

361413

20
h-index

377865

34
g-index

50
all docs

50
docs citations

50
times ranked

520
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | <p>Fusion of the weakly bound projectile ${}^6\text{Li}$ with ${}^9\text{Be}$ at sub-barrier energies. Physical Review C, 2009, 79, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 79 |
| 2 | <p>Fusion of ${}^6\text{Li}$ with ${}^9\text{Be}$ at sub-barrier energies. Physical Review C, 2009, 79, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 79 |
| 3 | <p>Fusion of ${}^6\text{Li}$ with ${}^9\text{Be}$ at sub-barrier energies. Physical Review C, 2009, 79, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 74 |
| 4 | <p>Fusion reaction studies for the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2009, 79, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 61 |
| 5 | <p>Fusion and quasi-elastic scattering in the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2009, 79, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 60 |
| 6 | <p>Exploring Fusion at Extreme Sub-Barrier Energies with Weakly Bound Nuclei. Physical Review Letters, 2009, 103, 232702.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 7.8 | 53 |
| 7 | <p>Elastic scattering and fusion cross sections for ${}^6\text{Li}$, ${}^7\text{Li}$ + ${}^{127}\text{I}$ systems. Physical Review C, 2006, 73, 044601.</p> <p>${}^6\text{Li} + {}^{127}\text{I} \rightarrow {}^{133}\text{Xe} + n$</p> | 2.9 | 45 |
| 8 | <p>Disentangling reaction mechanisms for ${}^6\text{Li} + {}^9\text{Be}$ production in the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2012, 85, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 36 |
| 9 | <p>Exploring the breakup and transfer coupling effects in the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2013, 87, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 31 |
| 10 | <p>Understanding fusion and its suppression for the ${}^9\text{Be}$ projectile with different targets. Physical Review C, 2014, 89, 044601.</p> <p>${}^9\text{Be} + \text{target} \rightarrow \text{product} + n$</p> | 2.9 | 31 |
| 11 | <p>Compound-nucleus reaction mechanisms in the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2016, 93, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 30 |
| 12 | <p>Investigation of complete and incomplete fusion in the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2016, 93, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 29 |
| 13 | <p>Probing transfer to unbound states of the projectile with weakly bound ${}^6\text{Li}$ for ${}^6\text{Li} + {}^9\text{Be}$ reaction near Coulomb barrier energies. Physical Review C, 2016, 93, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 27 |
| 14 | <p>Inclusive ${}^6\text{Li} + {}^9\text{Be}$ production cross section for the ${}^6\text{Li} + {}^9\text{Be}$ system. Physical Review C, 2016, 93, 044601.</p> <p>${}^6\text{Li} + {}^9\text{Be} \rightarrow {}^{12}\text{C} + n$</p> | 2.9 | 21 |

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|----|---|-----|-----------|
| 19 | Investigation of cluster structure of ^9Be from high precision elastic scattering data. Physical Review C, 2011, 84, . | 2.9 | 21 |
| 20 | Importance of the $1\text{-}n$ stripping process in the $^6\text{Li}+^7\text{Li}$ reaction. Physical Review C, 2017, 96, . | 2.9 | 21 |
| 21 | Investigation of large ^7Li production in reactions involving weakly bound ^7Li . Physical Review C, 2017, 96, . | 2.9 | 21 |
| 22 | Evolution of collectivity and evidence of octupole correlations in ^{73}Br . Physical Review C, 2019, 100, . | 2.9 | 21 |
| 23 | Investigation of large ^7Li production in reactions involving weakly bound ^7Li . Physical Review C, 2017, 96, . | 2.9 | 20 |
| 24 | Multinucleon transfer study in $^{\text{Pb206}}(\text{O18},x)$ at energies above the Coulomb barrier. Physical Review C, 2015, 92, . | 2.9 | 20 |
| 25 | Investigation of large ^7Li production in reactions involving weakly bound ^7Li . Physical Review C, 2017, 96, . | 2.9 | 19 |
| 26 | Evolution of collectivity and evidence of octupole correlations in ^{73}Br . Physical Review C, 2019, 100, . | 2.9 | 19 |
| 27 | Investigation of large ^7Li production in reactions involving weakly bound ^7Li . Physical Review C, 2017, 96, . | 2.9 | 15 |
| 28 | Small quadrupole deformation for the dipole bands in ^{112}In . Physical Review C, 2012, 85, . | 2.9 | 15 |
| 29 | Fusion hindrance at deep sub-barrier energies for the $\text{B11}+\text{Au197}$ system. Physical Review C, 2017, 96, . | 2.9 | 14 |
| 30 | Elastic scattering and ^7Li production in the $^7\text{Li}+\text{Au197}$ system. Physical Review C, 2017, 96, . | 2.9 | 12 |
| 31 | Fusion of the Borromean nucleus ^9Be with a Au197 target at near-barrier energies. Physical Review C, 2020, 101, . | 2.9 | 12 |
| 32 | Elastic scattering and fusion cross-sections in $^7\text{Li} + ^{27}\text{Al}$ reaction. Pramana - Journal of Physics, 2013, 81, 587-602. | 1.8 | 10 |
| 33 | Investigating neutron transfer in the $^9\text{Be}+\text{Au197}$ system. Physical Review C, 2021, 104, . | 2.9 | 10 |
| 34 | Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044. | 0.4 | 9 |
| 35 | Deep-inelastic multinucleon transfer processes in the $\text{O16}+\text{Al27}$ reaction. Physical Review C, 2018, 97, . | 2.9 | 7 |
| 36 | Role of target shell structure in direct reactions involving weakly bound ^7Li . Physical Review C, 2019, 100, . | 2.9 | 7 |
| 37 | Investigation of neutron transfer in $^7\text{Li}+\text{Sn}$ system. Physical Review C, 2019, 100, . | 2.9 | 6 |
| 38 | High-spin states in ^{133}Cs and the shell model description. Physical Review C, 2017, 95, . | 2.9 | 4 |

