

# Dharmendra Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

596  
citations

567281

15  
h-index

610901

24  
g-index

42  
all docs

42  
docs citations

42  
times ranked

287  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Probing of incomplete fusion dynamics by spin-distribution measurement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 20-24.  | 4.1 | 63        |
| 2  | Electrical and optical studies of pure and Ni-doped CdS quantum dots. Applied Nanoscience (Switzerland), 2013, 3, 13-18.   | 3.1 | 52        |
| 3  | Investigation of incomplete fusion in $^{20}\text{Ne} + ^{55}\text{Mn}$ reactions at $3\text{--}8$ MeV/nucleon. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 115101.  | 3.6 | 36        |
| 4  | Investigation of incomplete fusion dynamics at energy $4\text{--}8$ MeV/nucleon. Nuclear Physics A, 2017, 960, 53-77.  | 1.5 | 34        |
| 5  | Role of high $\alpha$ values in the onset of incomplete fusion. Physical Review C, 2009, 80, .   | 2.9 | 30        |
| 6  | Observation of entrance channel mass-asymmetry effect on incomplete fusion reaction for system. Nuclear Physics A, 2012, 879, 107-131.   | 1.5 | 30        |
| 7  | Reaction mechanism in the $^{20}\text{Ne} + ^{59}\text{Co}$ system at 3–7 MeV/nucleon, and observation of entrance-channel mass-asymmetry of the incomplete fusion fraction. Physical Review C, 2011, 83, .                        | 2.9 | 27        |
| 8  | Study of incomplete fusion reaction dynamics in $^{13}\text{C} + ^{16}\text{O}$ system. Physical Review C, 2008, 78, .   | 1.5 | 23        |
| 9  | Spin-distribution measurement: A sensitive probe for incomplete fusion dynamics. Physical Review C, 2008, 78, .  | 2.9 | 22        |
| 10 | Evidence of quasifission in asymmetric reactions forming the $^{250}\text{Cf}$ compound system. Physical Review C, 2012, 86, .   | 2.9 | 21        |
| 11 | Complete and Incomplete Fusion Reactions in $^{16}\text{O} + ^{45}\text{Sc}$ System: Measurement and Analysis of Excitation Functions below 7 MeV/Nucleon. Journal of the Physical Society of Japan, 2006, 75, 104201.             | 1.6 | 19        |
| 12 | Reaction mechanisms in the system $^{20}\text{Ne} + ^{16}\text{O}$ . Physical Review C, 2009, 79, 044607.  | 2.9 | 17        |
| 13 | Spin distribution of evaporation residues formed in complete and incomplete fusion in $^{16}\text{O} + ^{154}\text{Sm}$ system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 7-13. | 4.1 | 17        |
| 14 | Incomplete fusion dynamics by spin distribution measurements. Physical Review C, 2010, 81, .   | 2.9 | 16        |
| 15 | Sensitivity of low-energy incomplete fusion to various entrance-channel parameters. European Physical Journal A, 2018, 54, 1.  | 2.5 | 16        |
| 16 | Optical and impedance studies of pure and Ba-doped ZnS quantum dots. Applied Nanoscience (Switzerland), 2015, 5, 201-206.  | 3.1 | 15        |
| 17 | Systematic study of low-energy incomplete-fusion dynamics in the $^{30}\text{Si} + ^{16}\text{O}$ system. Physical Review C, 2019, 100, .  | 1.5 | 15        |
| 18 | Systematic study of low-energy incomplete-fusion dynamics in the $^{16}\text{O} + ^{148}\text{Nd}$ system: Role of target deformation. Physical Review C, 2019, 100, .   | 2.9 | 15        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Systematic study of the break-up fusion process in the $^{16}\text{O} + ^{124}\text{Sn}$ reaction and interplay of entrance channel parameters. Physical Review C, 2019, 100, .   | 2.9 | 13        |
| 20 | Shears mechanism in $^{16}\text{O} + ^{165}\text{Ho}$ system and observation of a breakup-induced $\alpha$ -transfer process for some bound states of $^{16}\text{O}$ populated by the $^{12}\text{C}(\text{Li},d)^{16}\text{O}$ reaction. Physical Review C, 2014, 89, . | 2.9 | 11        |
| 21 | Observation of a breakup-induced $\alpha$ -transfer process for some bound states of $^{16}\text{O}$ populated by the $^{12}\text{C}(\text{Li},d)^{16}\text{O}$ reaction. Physical Review C, 2014, 89, .  | 2.9 | 10        |
| 22 | Probing of incomplete fusion dynamics and its correlation with various systematic. Nuclear Physics A, 2019, 981, 75-88.   | 1.5 | 10        |
| 23 | Systematic study of incomplete-fusion dynamics below 8 MeV/nucleon energy. Physical Review C, 2019, 99, .   | 2.9 | 9         |
| 24 | Reaction Mechanism in $^{16}\text{O}$ Ion Interaction with Light Nuclei $^{45}\text{Sc}$ , $^{74}\text{Ge}$ and Mass-Asymmetry Effect on Incomplete Fusion Dynamics. Journal of the Physical Society of Japan, 2013, 82, 114201.  | 1.6 | 8         |
| 25 | Observed side feeding in incomplete fusion dynamics in $^{16}\text{O} + ^{160}\text{Gd}$ reaction at energy $\sim 4.6$ MeV/A: Spin distribution measurements. Nuclear Physics A, 2017, 968, 403-413.  | 1.5 | 8         |
| 26 | Examination of break-up fusion in the $^{16}\text{O} + ^{148}\text{Nd}$ system through measurements of forward recoil range distributions and angular distributions. Physical Review C, 2019, 100, .  | 2.9 | 8         |
| 27 | Probing of incomplete fusion dynamics in $^{14}\text{N} + ^{124}\text{Sn}$ system and its correlation with various entrance channel effects. European Physical Journal A, 2020, 56, 1.  | 2.5 | 8         |
| 28 | Role of input angular momentum and target deformation on the incomplete fusion dynamics in the $^{16}\text{O} + ^{154}\text{Sm}$ system at $^{16}\text{O}$ energy. Physical Review C, 2015, 91, .   | 2.9 | 7         |
| 29 | Measurement and Analysis of Alpha Particle Induced Reactions on Praseodymium. Journal of the Physical Society of Japan, 2005, 74, 1150-1153.  | 1.6 | 5         |
| 30 | Probing of complete and incomplete fusion dynamics in heavy-ion collision. Pramana - Journal of Physics, 2014, 82, 683-696.   | 1.8 | 4         |
| 31 | Shape evolution with increasing angular momentum in the $^{66}\text{Ga}$ nucleus. Physical Review C, 2017, 95, .  | 2.9 | 4         |
| 32 | High spin spectroscopy and shape evolution in $^{105}\text{Cd}$ . Physical Review C, 2015, 91, .  | 2.9 | 3         |
| 33 | Probing incomplete fusion dynamics and role of the projectile deformation in the $^{19}\text{F} + ^{154}\text{Sm}$ system. European Physical Journal A, 2019, 55, 1.  | 2.5 | 2         |
| 34 | Observation of breakup transfer process for the bound states of $^{16}\text{O}$ populated from $^{12}\text{C}([^{6}\text{Li},d)$ reaction at 20 MeV. , 2012, , .  |     | 1         |
| 35 | Investigation of complete and incomplete fusion dynamics of $^{20}\text{Ne}$ induced reactions at energies above the Coulomb barrier. , 2014, , .   |     | 1         |

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|----|---|-----|-----------|
| 37 | Investigation of breakup fusion in $^{16}\text{O} + ^{124}\text{Sn}$ system and its correlation with various entrance channel parameters. International Journal of Modern Physics E, 2019, 28, 1950069. | 1.0 | 1         |
| 38 | Break-up fusion in the $^{16}\text{O} + ^{146}\text{Nd}$ system by measurements of excitation function of evaporation residues. AIP Conference Proceedings, 2021, , .                                   | 0.4 | 1         |
| 39 | Measurement and analysis of excitation functions and observation of mass-asymmetry effect on incomplete fusion dynamics. EPJ Web of Conferences, 2011, 17, 16013.                                       | 0.3 | 0         |
| 40 | An overview on incomplete fusion reaction dynamics at energy range $\hat{\sim} 3\text{-}8 \text{ MeV/A.}$ , 2014, , .   |     | 0         |
| 41 | Effect of the Target Deformation on Incomplete Fusion Dynamics. EPJ Web of Conferences, 2015, 86, 00051.  | 0.3 | 0         |
| 42 | Incomplete fusion dynamics in $^{19}\text{F} + ^{154}\text{Sm}$ system at energies $\hat{\sim} 4\text{-}6 \text{ MeV/nucleon}$ . AIP Conference Proceedings, 2021, , .                                  | 0.4 | 0         |