

# Sumit Naskar

## List of Publications by Year in descending order

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9  
papers

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citations

1937685

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1872680

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#	ARTICLE	IF	CITATIONS
1	Effects of low-lying excitations in pentalene and its derivatives in singlet fission: a model exact and density matrix renormalisation group study. <i>Molecular Physics</i> , 2021, 119, e1895346.	1.7	0
2	A Remarkable Fluorescence Quenching Based Amplification in ATP Detection through Signal Transduction in Self-Assembled Multivalent Aggregates. <i>Chemistry - A European Journal</i> , 2020, 26, 13595-13600.	3.3	6
3	Dissociative electron attachment to SO <sub>2</sub> near 7.5 eV resonance and axial-recoil approximation. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 052005.	0.4	0
4	The use of low-lying excited states of zethrene and its homologs in singlet fission within Pariser-Parr-Pople model Hamiltonian: A Density Matrix Renormalization Group study. <i>Chemical Physics</i> , 2020, 533, 110717.	1.9	3
5	First principle investigations on transport properties in porphyrin, hexaphyrin, and hexathia[26]annulene molecular junction devices. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	2
6	Energy ordering of singlet and triplet excited states in indacenodithiophene and indenofluorenes molecules in singlet fission: A model exact and density matrix renormalization group study. <i>Chemical Physics Letters</i> , 2020, 749, 137368.	2.6	4
7	Probing the molecular structure and properties of neutral and anionic ground states of SO <sub>2</sub> and CO <sub>2</sub> . <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	5
8	Assisted $\pi$ -stacking: a strong synergy between weak interactions. <i>Chemical Communications</i> , 2018, 54, 12186-12189.	4.1	10
9	Singlet and Triplet Excited State Energy Ordering in Cyclopenta-Fused Polycyclic Aromatic Hydrocarbons (CP-PAHs) Suitable for Energy Harvesting: An Exact Model and TDDFT Study. <i>ACS Omega</i> , 2017, 2, 1795-1803.	3.5	7