

# Devashis Majumdar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8830035/publications.pdf>

Version: 2024-02-01

13  
papers

118  
citations

1307594

7  
h-index

1281871

11  
g-index

14  
all docs

14  
docs citations

14  
times ranked

168  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | First-Principles Modeling of Non-covalent Interactions in Molecular Systems and Extended Materials. , 2022, , 71-124.  |     | 0         |
| 2  | Another look at the structure of the (H <sub>2</sub> O) <sub>n</sub> system: water anion vs. hydrated electron. Structural Chemistry, 2021, 32, 655-665.   | 2.0 | 2         |
| 3  | Jahn-Teller and Pseudo Jahn-Teller Effects: Influences on the Electronic Structures of Small Transition, Main Group and Mixed Metal Clusters. Structural Chemistry, 2020, 31, 7-23.  | 2.0 | 2         |
| 4  | First-Principles Approach for Assessing Cold Electron Injection Efficiency of Dye-Sensitized Solar Cell: Elucidation of Mechanism of Charge Injection and Recombination. Journal of Physical Chemistry C, 2020, 124, 2817-2836.                    | 3.1 | 25        |
| 5  | In silico modeling of functionalized graphene oxide-metal cluster conjugates as Raman probe: Raman activity of pyridine. Structural Chemistry, 2017, 28, 379-389.  | 2.0 | 2         |
| 6  | Understanding the influence of low-frequency vibrations on the hydrogen bonds of acetic acid and acetamide dimers. Physical Chemistry Chemical Physics, 2017, 19, 24866-24878.   | 2.8 | 10        |
| 7  | Role of the Multipolar Electrostatic Interaction Energy Components in Strong and Weak Cation-π Interactions. Journal of Physical Chemistry A, 2013, 117, 7989-8000.  | 2.5 | 12        |
| 8  | Exploring Relative Thermodynamic Stabilities of Formic Acid and Formamide Dimers – Role of Low-Frequency Hydrogen-Bond Vibrations. Journal of Chemical Theory and Computation, 2013, 9, 1016-1026.   | 5.3 | 17        |
| 9  | Density Functional Theory Based Studies on the Nature of Raman and Resonance Raman Scattering of Nerve Agent Bound to Gold and Oxide-Supported Gold Clusters: A Plausible Way of Detection. Journal of Physical Chemistry A, 2010, 114, 4340-4353. | 2.5 | 10        |
| 10 | Theoretical investigations of the structure and bonding of several transition metal complexes to probe their carbon monoxide releasing properties. International Journal of Quantum Chemistry, 2009, 109, 2263-2272.                               | 2.0 | 8         |
| 11 | Do the low-energy conformers of nerve agents (NAs) really have cholinesterase inhibition properties? Investigations of the low-energy conformers of acetylcholine and the two NAs sarin and soman. Molecular Physics, 2007, 105, 2551-2564.        | 1.7 | 9         |
| 12 | Probing the Acetylcholinesterase Inhibition of Sarin: A Comparative Interaction Study of the Inhibitor and Acetylcholine with a Model Enzyme Cavity. Journal of Physical Chemistry B, 2006, 110, 13597-13607.                                      | 2.6 | 16        |
| 13 | Conformational studies on parathion. International Journal of Quantum Chemistry, 2006, 106, 2356-2365.   | 2.0 | 3         |