

Tapas Majumdar

List of Publications by Year in descending order

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17
papers

185
citations

1163117

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times ranked

87
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Molecular Lock with Hydrogen Sulfate as a Key and Fluoride as a Hand: Computing Based Insights on the Functioning Mechanism. <i>ChemistrySelect</i> , 2016, 1, 5547-5553. | 1.5 | 24 |
| 2 | Excitation wavelength as logic operator. <i>Journal of Chemical Physics</i> , 2020, 152, 075102. | 3.0 | 23 |
| 3 | A newly developed highly selective Zn ²⁺ –AcO [–] ion-pair sensor through partner preference: equal efficiency under solitary and colonial situation. <i>Dalton Transactions</i> , 2018, 47, 7059-7069. | 3.3 | 20 |
| 4 | Hydrogen bond regulated hydrogen sulfate ion recognition: an overview. <i>Dalton Transactions</i> , 2021, 50, 1531-1549. | 3.3 | 19 |
| 5 | A Strategic Design of an Opto-Chemical Security Device with Resettable and Reconfigurable Password Based Upon Dual Channel Two-in-One Chemosensor Molecule. <i>Scientific Reports</i> , 2017, 7, 42811. | 3.3 | 18 |
| 6 | Interaction Behavior between Active Hydrogen Bond Donor–Acceptors as a Binding Decoration for Anion Recognition: Experimental Observation and Theoretical Validation. <i>ChemistrySelect</i> , 2017, 2, 2815-2821. | 1.5 | 15 |
| 7 | Shipment of a photodynamic therapy agent into model membrane and its controlled release: A photophysical approach. <i>Chemistry and Physics of Lipids</i> , 2018, 210, 122-128. | 3.2 | 10 |
| 8 | True-Photonic Strategy for Chemically Encrypted Two-Factor Authentication with Unlimited Chemical Passwords Based on Cascade Energy Transfer under a Single Wavelength Excitation. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3588-3598. | 4.3 | 9 |
| 9 | Dual macro-cyclic component based logic diversity. <i>Dyes and Pigments</i> , 2020, 174, 108060. | 3.7 | 8 |
| 10 | Photophysical, NMR and density functional study on the ion interaction of norharmane: proton transfer vs. hydrogen bonding. <i>RSC Advances</i> , 2014, 4, 16274. | 3.6 | 7 |
| 11 | Circumstantial Overdose Management of an Efficient Cancer Cell Photosensitizer with Preclinical Evidence: A Biophysical Study. <i>ACS Applied Bio Materials</i> , 2020, 3, 8049-8060. | 4.6 | 7 |
| 12 | A photonic multifunctional molculator powered by two-step energy transfer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11229-11241. | 5.5 | 7 |
| 13 | Kinetic exploration supplemented by spectroscopic and molecular docking analysis in search of the optimal conditions for effective degradation of malachite green. <i>RSC Advances</i> , 2015, 5, 38503-38512. | 3.6 | 6 |
| 14 | Multifunctional Logic Applications of a Single Molecule: A Molecular Photo-switch Performing as Simple and Complex Gates, Memory Element, and a Molecular Keypad Lock. <i>ChemistrySelect</i> , 2018, 3, 5277-5282. | 1.5 | 5 |
| 15 | Loading, Unloading and Receiving of Selected Molecules with Nanomolar Sensitivity in Molecular Communication: Unprompted Carrier–Carrier Transformation. <i>ChemistrySelect</i> , 2019, 4, 10149-10156. | 1.5 | 4 |
| 16 | Dual macrocyclic chemical input based highly protective molecular keypad lock using fluorescence in solution phase: A new type approach. <i>Journal of Molecular Liquids</i> , 2021, 331, 115679. | 4.9 | 2 |
| 17 | Binding interaction of a newly developed bisindole drug molecule with β -cyclodextrin: face to face shielding of indole hoops. <i>RSC Advances</i> , 2014, 4, 38206. | 3.6 | 1 |