

Tapas Majumdar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A photonic multifunctional molculator powered by two-step energy transfer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11229-11241.	5.5	7
4	Hydrogen bond regulated hydrogen sulfate ion recognition: an overview. <i>Dalton Transactions</i> , 2021, 50, 1531-1549.	3.3	19
5	Dual macro-cyclic component based logic diversity. <i>Dyes and Pigments</i> , 2020, 174, 108060.	3.7	8
6	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
7	Excitation wavelength as logic operator. <i>Journal of Chemical Physics</i> , 2020, 152, 075102.	3.0	23
8	Loading, Unloading and Receiving of Selected Molecules with Nanomolar Sensitivity in Molecular Communication: Unprompted Carrier to Carrier Transformation. <i>ChemistrySelect</i> , 2019, 4, 10149-10156.	1.5	4
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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