Anik Sen

List of Publications by Year
in descending order

38 papers	491 citations	686830 13 h-index	713013 21 g-index
40 all docs	40 docs citations	40 times ranked	640 citing authors

#	Article	IF	Citations
1	Determination of potential inhibitors based on isatin derivatives against SARS-CoV-2 main protease (m^{pro}): a molecular docking, molecular dynamics and structure-activity relationship studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3110-3128.	2.0	41
2	Identification of Alkaloids from Terminalia chebula as Potent SARSâ€•CoVâ€2 Main Protease Inhibitors: An In Silico Perspective. ChemistrySelect, 2022, 7, .	0.7	4
3	A Mechanistic Approach on the Cs ₂ CO ₃ Mediated Synthesis of 4â€Azaindole Analogues Bearing Pyridineâ€3â€Carboxamide and 1â€Phenylethanone. ChemistrySelect, 2022, 7, .	0.7	0
4	Pyrrole â€“ Best additional spacers for azo based dye sensitized solar cells: A computational study. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 433, 114146.	2.0	7
5	Screening donor and acceptor groups for organic azo-based dyes for dye sensitized solar cells. Journal of Molecular Structure, 2021, 1228, 129776.	1.8	17
6	Impact of Pharmaceuticals and Their Metabolites on Environment. , 2021, , 127-161.		1
7	Promising DSSCs Involving Organic Dâ€“Ïâ€“A and Similar Structures for n- and p-type Semiconductorsâ€”A Theoretical Approach. Challenges and Advances in Computational Chemistry and Physics, 2021, , 127-165.	0.6	1
8	Chemistry of Oxadiazole Analogues: Current Status and Applications. Russian Journal of Bioorganic Chemistry, 2021, 47, 670-680.	0.3	3
9	Solvent-Dependent Spectral Properties in Diverse Solvents, Light Harvesting and Antiviral Properties of Mono-Azo Dye (Direct Yellow-27): A Combined Experimental and Theoretical Study. Journal of Computational Biophysics and Chemistry, 2021, 20, 619-630.	1.0	3
10	Development of <scp>dyeâ€sensitized</scp> solar cell using <scp> M. philippensis </scp> (kamala) Tj ETQq0 0 0 rgBT /Overlock Research, 2021, 45, 21509-21515.	2.2	5
11	Triazole based isatin derivatives as potential inhibitor of key cancer promoting kinases- insight from electronic structure, docking and molecular dynamics simulations. Journal of Molecular Graphics and Modelling, 2021, 107, 107944.	1.3	4
12	Chitosan Matrix Encapsulation of Î±â€Lipoic Acid (LA) Anchored Gold Nanoparticles: A Combined Experimental and Theoretical Study. ChemistrySelect, 2021, 6, 10379-10385.	0.7	0
13	Design and Ultrasound Assisted Synthesis of Novel 1,3,4â€Oxadiazole Drugs for Antiâ€Cancer Activity. ChemistrySelect, 2020, 5, 3347-3354.	0.7	13
14	Effect of Electron-Withdrawing/-Donating Groups on the Sensitizing Action of the Novel Organic Dye â€œ3-(5-(4-(Diphenylamino)styryl)thiophen-2-yl)-2-cyanoacrylic Acidâ€•for N-Type Dye-Sensitized Solar Cells: A Theoretical Study. Journal of Physical Chemistry C, 2020, 124, 8526-8540.	1.5	26
15	The role of anchoring groups in ruthenium(II)-bipyridine sensitized p-type semiconductor solar cellsâ€”a quantum chemical approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 234001.	0.6	3
16	Does Involving Additional Linker Always Increase the Efficiency of an Organic Dye for p-Type Dye-Sensitized Solar Cells?. ACS Applied Energy Materials, 2019, 2, 6341-6347.	2.5	33
17	Promising sensitizers for dye sensitized solar cells: A comparison of Ru(II) with other earth's scarce and abundant metal polypyridine complexes. International Journal of Quantum Chemistry, 2019, 119, e25963.	1.0	18
18	Exploiting hydrogen bonding interactions to probe smaller linear and cyclic diamines binding to G-quadruplexes: a DFT and molecular dynamics study. Physical Chemistry Chemical Physics, 2017, 19, 11474-11484.	1.3	11

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19	Electrode/Electrolyte Interface in the Liâ€“O₂ Battery: Insight from Molecular Dynamics Study. Journal of Physical Chemistry C, 2017, 121, 14463-14469.	1.5	34
20	Hâ€bond and electric field correlations for water in highly hydrated crystals. International Journal of Quantum Chemistry, 2016, 116, 67-80.	1.0	14
21	H-bond and electric field correlations for water in highly hydrated crystals. International Journal of Quantum Chemistry, 2015, 115, n/a-n/a.	1.0	0
22	Revealing the parameters to design the habit modifiers for rock-salt crystals: empirical to rational approach. Canadian Journal of Chemistry, 2015, 93, 1219-1225.	0.6	3
23	Design of Efficient Metal-Free Organic Dyes Having an Azacyclazine Scaffold as the Donor Fragment for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 20763-20771.	1.5	42
24	In Silico Studies toward Understanding the Interactions of DNA Base Pairs with Protonated Linear/Cyclic Diamines. Journal of Physical Chemistry B, 2013, 117, 9840-9850.	1.2	4
25	Probing the role of solvation in predicting the Ï€-facial selectivity of 5-Fluoro-2-methyleneadamantane with per-acid: A case study. Computational and Theoretical Chemistry, 2013, 1026, 46-54.	1.1	0
26	Is Dual Morphology of Rockâ€Salt Crystals Possible with a Single Additive? The Answer Is Yes, with Barbituric Acid. Angewandte Chemie - International Edition, 2012, 51, 11279-11283.	7.2	13
27	Microwave assisted isomerization of alkenyl aromatics over solid base catalysts: an understanding through theoretical study. RSC Advances, 2012, 2, 6871.	1.7	16
28	Does Bridging Geometry Influence Interfacial Electron Transfer Dynamics? Case of the Enediol-TiO₂ System. Journal of Physical Chemistry C, 2012, 116, 98-103.	1.5	30
29	Photosensitization of nanoparticulate TiO2 using a Re(i)-polypyridyl complex: studies on interfacial electron transfer in the ultrafast time domain. Physical Chemistry Chemical Physics, 2012, 14, 8192.	1.3	25
30	A computational study toward understanding the separation of ions of potassium chloride microcrystal in water. Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	3
31	A computational approach towards predicting Ï€-facial selectivity in sterically unbiased olefins: an evaluation of the relative importance of electrostatic and orbital effects. Tetrahedron, 2011, 67, 3754-3762.	1.0	6
32	Electrostatic origin towards the reversal of Ï€-facial selectivity of 5,6-cis,exo-disubstituted bicyclic[2.2.2]oct-2-enes with m-chloroperbenzoic acid and diazomethane: a computational study. Tetrahedron Letters, 2010, 51, 143-146.	0.7	4
33	What is the minimum number of water molecules required to dissolve a potassium chloride molecule?. Journal of Computational Chemistry, 2010, 31, 2948-2954.	1.5	6
34	First principle study towards the influence of Cd2+ on the morphology of sodium chloride. Journal of Molecular Graphics and Modelling, 2010, 28, 413-419.	1.3	13
35	Probing the influence of solvent effects on the conformational behavior of 1,4-diazacyclohexane systems. Journal of Molecular Structure, 2010, 984, 294-299.	1.8	1
36	Sensitization of Nanocrystalline TiO₂ Anchored with Pendant Catechol Functionality Using a New Tetracyanato Ruthenium(II) Polypyridyl Complex. Inorganic Chemistry, 2010, 49, 4167-4174.	1.9	41

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37	Effect of steric crowding on ion selectivity for calix-crown hybrid ionophores: experimental, molecular modeling and crystallographic studies. New Journal of Chemistry, 2010, 34, 2796.	1.4	20
38	Probing the influence of pH dependent citric acid towards the morphology of rock salt: a computational study. CrystEngComm, 2009, 11, 2660.	1.3	21