# 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 | 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 |
| 2 | Sensitization of Nanocrystalline TiO<sub>2</sub> Anchored with Pendant Catechol Functionality Using a New Tetracyanato Ruthenium(II) Polypyridyl Complex. Inorganic Chemistry, 2010, 49, 4167-4174. | 1.9 | 41 |
| 3 | Determination of potential inhibitors based on isatin derivatives against SARS-CoV-2 main protease (m<sup>pro</sup>): a molecular docking, molecular dynamics and structure-activity relationship studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3110-3128. | 2.0 | 41 |
| 4 | Electrode/Electrolyte Interface in the Liâ€“O<sub>2</sub> Battery: Insight from Molecular Dynamics Study. Journal of Physical Chemistry C, 2017, 121, 14463-14469. | 1.5 | 34 |
| 5 | 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 |
| 6 | Does Bridging Geometry Influence Interfacial Electron Transfer Dynamics? Case of the Enediol-TiO<sub>2</sub> System. Journal of Physical Chemistry C, 2012, 116, 98-103. | 1.5 | 30 |
| 7 | 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 |
| 8 | 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 |
| 9 | Probing the influence of pH dependent citric acid towards the morphology of rock salt: a computational study. CrystEngComm, 2009, 11, 2660. | 1.3 | 21 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Microwave assisted isomerization of alkenyl aromatics over solid base catalysts: an understanding through theoretical study. RSC Advances, 2012, 2, 6871. | 1.7 | 16 |
| 14 | Hâ€bond and electric field correlations for water in highly hydrated crystals. International Journal of Quantum Chemistry, 2016, 116, 67-80. | 1.0 | 14 |
| 15 | 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 |
| 16 | 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 |
| 17 | Design and Ultrasound Assisted Synthesis of Novel 1,3,4â€Oxadiazole Drugs for Antiâ€Cancer Activity. ChemistrySelect, 2020, 5, 3347-3354. | 0.7 | 13 |
| 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 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 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 | 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 |
| 26 | Identification of Alkaloids from Terminalia chebula as Potent SARSâ€•CoVâ€2 Main Protease Inhibitors: An In Silico Perspective. ChemistrySelect, 2022, 7, . | 0.7 | 4 |
| 27 | A computational study toward understanding the separation of ions of potassium chloride microcrystal in water. Theoretical Chemistry Accounts, 2012, 131, 1. | 0.5 | 3 |
| 28 | 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 |
| 29 | Chemistry of Oxadiazole Analogues: Current Status and Applications. Russian Journal of Bioorganic Chemistry, 2021, 47, 670-680. | 0.3 | 3 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | Impact of Pharmaceuticals and Their Metabolites on Environment. , 2021, , 127-161. | | 1 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | A Mechanistic Approach on the Cs <sub>2</sub> CO <sub>3</sub> Mediated Synthesis of 4â€Azaindole Analogues Bearing Pyridineâ€3â€Carboxamide and 1â€Phenylethanone. ChemistrySelect, 2022, 7, . | 0.7 | 0 |