

Subrahmanyam Sappati

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Thermally Stable Energetic 1,2,3- β -Triazole Derivatives. Chemistry - A European Journal, 2013, 19, 509-518.	3.3	58
2	Surface Site Modulations by Conjugated Organic Molecules To Enhance Visible Light Activity of ZnO Nanostructures in Photocatalytic Water Splitting. Journal of Physical Chemistry C, 2015, 119, 3060-3067.	3.1	24
3	Nuclear quantum effects in a HIV/cancer inhibitor: The case of ellipticine. Journal of Chemical Physics, 2016, 145, 205102.	3.0	24
4	Understanding the Electronic Structure and Optical Properties of Vacancy-Ordered Double Perovskite $A_{2}BX_{6}$ for Optoelectronic Applications. Energy & Fuels, 2022, 36, 7065-7074.	5.1	18
5	Coordination polymers of Fe(III) and Al(III) ions with TCA ligand: distinctive fluorescence, CO_{2} uptake, redox-activity and oxygen evolution reaction. Dalton Transactions, 2016, 45, 6901-6908.	3.3	17
6	Spectroscopy and Dynamics of Cryptolepine in the Nanocavity of Cucurbit[7]uril and DNA. ChemPhysChem, 2016, 17, 506-515.	2.1	15
7	Structural characteristics requisite for the ligand-based selective detection of i-motif DNA. Organic and Biomolecular Chemistry, 2019, 17, 5392-5399.	2.8	12
8	Inhibition Ability of Natural Compounds on Receptor-Binding Domain of SARS-CoV2: An In Silico Approach. Pharmaceuticals, 2021, 14, 1328.	3.8	10
9	Sensitizing with short conjugated molecules: Multimodal anchoring on ZnO nanoparticles for enhanced electron transfer characteristics, stability and H_{2} evolution. Catalysis Today, 2018, 309, 89-97.	4.4	7
10	Ab-initio investigations for structural, mechanical, optoelectronic, and thermoelectric properties of $Ba_{2}SbXO_{6}$ (X Nb, Ta) compounds. Journal of Alloys and Compounds, 2022, 893, 162332.	5.5	7
11	Proton-Coupled Electron Transfer in the Aqueous Nanochannels of Lyotropic Liquid Crystals: Interplay of H-Bonding and Polarity Effects. Journal of Physical Chemistry Letters, 2021, 12, 2651-2659.	4.6	6
12	Emergence of Aggregation Induced Emission (AIE), Room-Temperature Phosphorescence (RTP), and Multistimuli Response from a Single Organic Luminogen by Directed Structural Modification. Journal of Physical Chemistry B, 2021, 125, 12832-12846.	2.6	6
13	Reverse vaccinology-based prediction of a multi-epitope SARS-CoV-2 vaccine and its tailoring to new coronavirus variants. Journal of Biomolecular Structure and Dynamics, 2022, , 1-22.	3.5	4
14	Peculiar hydrogen bonding behaviour of water molecules inside the aqueous nanochannels of lyotropic liquid crystals. Physical Chemistry Chemical Physics, 2020, 22, 6210-6221.	2.8	3
15	Descriptors to Predict Dye-Sensitized Semiconductor Based Photocatalyst for Hydrogen Evolution Reaction. ChemCatChem, 2019, 11, 6460-6466.	3.7	1