

Sonam Shakya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4110648/publications.pdf>

Version: 2024-02-01

30
papers

743
citations

430442

18
h-index

552369

26
g-index

30
all docs

30
docs citations

30
times ranked

234
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Exploring Colorimetric Real-Time Sensing Behavior of a Newly Designed CT Complex toward Nitrobenzene and Co ²⁺ : Spectrophotometric, DFT/TD-DFT, and Mechanistic Insights. ACS Omega, 2019, 4, 9983-9995. | 1.6 | 66 |
| 2 | Preparation, single-crystal investigation and spectrophotometric studies of proton transfer complex of 2,6-diaminopyridine with oxalic acid in various polar solvents. Journal of Molecular Liquids, 2018, 250, 150-161. | 2.3 | 62 |
| 3 | Charge transfer complex based real-time colorimetric chemosensor for rapid recognition of dinitrobenzene and discriminative detection of Fe ²⁺ ions in aqueous media and human hemoglobin. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 392, 112402. | 2.0 | 54 |
| 4 | Charge transfer complexes: Emerging and promising colorimetric real-time chemosensors for hazardous materials. Journal of Hazardous Materials, 2021, 403, 123537. | 6.5 | 54 |
| 5 | Synthesis, characterization, antimicrobial and DNA binding properties of an organic charge transfer complex obtained from pyrazole and chloranilic acid. Bioorganic Chemistry, 2020, 99, 103779. | 2.0 | 45 |
| 6 | Novel thiophene Chalcones-Coumarin as acetylcholinesterase inhibitors: Design, synthesis, biological evaluation, molecular docking, ADMET prediction and molecular dynamics simulation. Bioorganic Chemistry, 2022, 119, 105572. | 2.0 | 40 |
| 7 | Exploring interaction dynamics of designed organic cocrystal charge transfer complex of 2-hydroxypyridine and oxalic acid with human serum albumin: Single crystal, spectrophotometric, theoretical and antimicrobial studies. Bioorganic Chemistry, 2020, 100, 103872. | 2.0 | 39 |
| 8 | Synthesis and spectrophotometric studies of CT complex between 1,2-dimethylimidazole and picric acid in different polar solvents: exploring antimicrobial activities and molecular (DNA) docking. Physics and Chemistry of Liquids, 2021, 59, 753-769. | 0.4 | 32 |
| 9 | Low concentrated phosphorus sorption in aqueous medium on aragonite synthesized by carbonation of seashells: Optimization, kinetics, and mechanism study. Journal of Environmental Management, 2021, 280, 111652. | 3.8 | 31 |
| 10 | Multispectroscopic and Computational Analysis Insight into the Interaction of Cationic Diester-Bonded Gemini Surfactants with Serine Protease I±-Chymotrypsin. ACS Omega, 2020, 5, 3624-3637. | 1.6 | 30 |
| 11 | Synthesis, spectroscopic characterization, antimicrobial activity, molecular docking and DFT studies of proton transfer (H-bonded) complex of 8-aminoquinoline (donor) with chloranilic acid (acceptor). Journal of Biomolecular Structure and Dynamics, 2022, 40, 12194-12208. | 2.0 | 25 |
| 12 | Solvatochromic Absorbance and Fluorescence Probe Behavior within Ionic Liquid + Î³-Butyrolactone Mixture. Journal of Chemical & Engineering Data, 2019, 64, 4169-4180. | 1.0 | 23 |
| 13 | Molecular engineering of complexation between RNA and biodegradable cationic gemini surfactants: role of the hydrophobic chain length. Molecular Systems Design and Engineering, 2022, 7, 487-506. | 1.7 | 22 |
| 14 | Synthesis, DFT and <i>In Silico</i> Anti-COVID Evaluation of Novel Tetrazole Analogues. Polycyclic Aromatic Compounds, 2023, 43, 1941-1956. | 1.4 | 22 |
| 15 | Crystal Structure, Topology, DFT and Hirshfeld Surface Analysis of a Novel Charge Transfer Complex (L3) of Anthraquinone and 4-[(anthracen-9-yl)methyl] amino-benzoic Acid (L2) Exhibiting Photocatalytic Properties: An Experimental and Theoretical Approach. Molecules, 2022, 27, 1724. | 1.7 | 22 |
| 16 | Enhancing the Antipsychotic Effect of Risperidone by Increasing Its Binding Affinity to Serotonin Receptor via Picric Acid: A Molecular Dynamics Simulation. Pharmaceuticals, 2022, 15, 285. | 1.7 | 21 |
| 17 | Synthesis and spectroscopic characterizations of nanostructured charge transfer complexes associated between moxifloxacin drug donor and metal chloride acceptors as a catalytic agent in a recycling of wastewater. Journal of Molecular Liquids, 2022, 349, 118121. | 2.3 | 20 |
| 18 | Effect of geraniol against arecoline induced toxicity in the third instar larvae of transgenic Drosophila melanogaster (hsp70-lacZ) Bg9. Toxicology Mechanisms and Methods, 2019, 29, 187-202. | 1.3 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Thermodynamic and structural studies of newly prepared CT complex between pyrazole as a donor and salicylic acid as acceptor at various temperatures in ethanol. <i>Journal of Molecular Structure</i> , 2020, 1206, 127758. | 1.8 | 19 |
| 20 | In silico discovery of multi-targeting inhibitors for the COVID-19 treatment by molecular docking, molecular dynamics simulation studies, and ADMET predictions. <i>Structural Chemistry</i> , 2022, 33, 1645-1665. | 1.0 | 19 |
| 21 | Supramolecular charge-transfer complex generated by the interaction between tin(II) 2,3-naphthalocyanine as a donor with DDQ as an acceptor: Spectroscopic studies in solution state and theoretical calculations. <i>Journal of Molecular Liquids</i> , 2022, 362, 119757. | 2.3 | 19 |
| 22 | Enhancement of Haloperidol Binding Affinity to Dopamine Receptor via Forming a Charge-Transfer Complex with Picric Acid and 7,7,8,8-Tetracyanoquinodimethane for Improvement of the Antipsychotic Efficacy. <i>Molecules</i> , 2022, 27, 3295. | 1.7 | 11 |
| 23 | Increasing the Efficacy of Seroxetine as an Antidepressant Using Charge-Transfer Complexes. <i>Molecules</i> , 2022, 27, 3290. | 1.7 | 11 |
| 24 | Exploring microstructural, optical, electrical, and DFT/TD-DFT studies of boron subphthalocyanine chloride for renewable energy applications. <i>Optik</i> , 2022, 263, 169367. | 1.4 | 10 |
| 25 | Water Environment Policy and Climate Change: A Comparative Study of India and South Korea. <i>Sustainability</i> , 2019, 11, 3284. | 1.6 | 9 |
| 26 | Impedance spectroscopy and DFT/TD-DFT studies of diyttrium trioxide for optoelectronic fields. <i>Journal of Rare Earths</i> , 2023, 41, 605-612. | 2.5 | 6 |
| 27 | Spectroscopic and Molecular Docking Studies of Cu(II), Ni(II), Co(II), and Mn(II) Complexes with Anticonvulsant Therapeutic Agent Gabapentin. <i>Molecules</i> , 2022, 27, 4311. | 1.7 | 5 |
| 28 | Biochemical and histopathological analysis after sub-chronic administration of oxyresveratrol in Wistar rats. <i>Drug and Chemical Toxicology</i> , 2023, 46, 166-175. | 1.2 | 3 |
| 29 | Synthesis, experimental and theoretical analyses of bis(2-ethylphenyl)phosphorodithioates of nickel(II). <i>Journal of Molecular Structure</i> , 2022, 1263, 133166. | 1.8 | 3 |
| 30 | Intermolecular charge-transfer complexes between chlorothiazide antihypertensive drug against iodine sigma and picric acid pi acceptors: DFT and molecular docking interaction study with Covid-19 protease. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100605. | 1.3 | 1 |