

# Sonam Shakya

## List of Publications by Year in descending order

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30  
papers

743  
citations

430442

18  
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552369

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g-index

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docs citations

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times ranked

234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, DFT and <i>In Silico</i> Anti-COVID Evaluation of Novel Tetrazole Analogues. Polycyclic Aromatic Compounds, 2023, 43, 1941-1956.	1.4	22
2	Impedance spectroscopy and DFT/TD-DFT studies of diyttrium trioxide for optoelectronic fields. Journal of Rare Earths, 2023, 41, 605-612.	2.5	6
3	Biochemical and histopathological analysis after sub-chronic administration of oxyresveratrol in Wistar rats. Drug and Chemical Toxicology, 2023, 46, 166-175.	1.2	3
4	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
5	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
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	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
8	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
9	Crystal Structure, Topology, DFT and Hirshfeld Surface Analysis of a Novel Charge Transfer Complex (L3) of Anthraquinone and 4-[(anthracen-9-yl)meth-yl] amino}-benzoic Acid (L2) Exhibiting Photocatalytic Properties: An Experimental and Theoretical Approach. Molecules, 2022, 27, 1724.	1.7	22
10	Synthesis, experimental and theoretical analyses of bis(2-ethylphenyl)phosphorodithioates of nickel(II). Journal of Molecular Structure, 2022, 1263, 133166.	1.8	3
11	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. Molecules, 2022, 27, 3295.	1.7	11
12	Increasing the Efficacy of Seproxetine as an Antidepressant Using Charge-Transfer Complexes. Molecules, 2022, 27, 3290.	1.7	11
13	Exploring microstructural, optical, electrical, and DFT/TD-DFT studies of boron subphthalocyanine chloride for renewable energy applications. Optik, 2022, 263, 169367.	1.4	10
14	Spectroscopic and Molecular Docking Studies of Cu(II), Ni(II), Co(II), and Mn(II) Complexes with Anticonvulsant Therapeutic Agent Gabapentin. Molecules, 2022, 27, 4311.	1.7	5
15	In silico discovery of multi-targeting inhibitors for the COVID-19 treatment by molecular docking, molecular dynamics simulation studies, and ADMET predictions. Structural Chemistry, 2022, 33, 1645-1665.	1.0	19
16	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. Journal of the Indian Chemical Society, 2022, 99, 100605.	1.3	1
17	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. Journal of Molecular Liquids, 2022, 362, 119757.	2.3	19
18	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

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19	Charge transfer complexes: Emerging and promising colorimetric real-time chemosensors for hazardous materials. <i>Journal of Hazardous Materials</i> , 2021, 403, 123537.	6.5	54
20	Low concentrated phosphorus sorption in aqueous medium on aragonite synthesized by carbonation of seashells: Optimization, kinetics, and mechanism study. <i>Journal of Environmental Management</i> , 2021, 280, 111652.	3.8	31
21	Multispectroscopic and Computational Analysis Insight into the Interaction of Cationic Diester-Bonded Gemini Surfactants with Serine Protease $\alpha$ -Chymotrypsin. <i>ACS Omega</i> , 2020, 5, 3624-3637.	1.6	30
22	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
23	Charge transfer complex based real-time colorimetric chemosensor for rapid recognition of dinitrobenzene and discriminative detection of Fe <sup>2+</sup> ions in aqueous media and human hemoglobin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 392, 112402.	2.0	54
24	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. <i>Bioorganic Chemistry</i> , 2020, 100, 103872.	2.0	39
25	Synthesis, characterization, antimicrobial and DNA binding properties of an organic charge transfer complex obtained from pyrazole and chloranilic acid. <i>Bioorganic Chemistry</i> , 2020, 99, 103779.	2.0	45
26	Water Environment Policy and Climate Change: A Comparative Study of India and South Korea. <i>Sustainability</i> , 2019, 11, 3284.	1.6	9
27	Solvatochromic Absorbance and Fluorescence Probe Behavior within Ionic Liquid + $\beta$ -Butyrolactone Mixture. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4169-4180.	1.0	23
28	Exploring Colorimetric Real-Time Sensing Behavior of a Newly Designed CT Complex toward Nitrobenzene and Co <sup>2+</sup> : Spectrophotometric, DFT/TD-DFT, and Mechanistic Insights. <i>ACS Omega</i> , 2019, 4, 9983-9995.	1.6	66
29	Effect of geraniol against arecoline induced toxicity in the third instar larvae of transgenic <i>Drosophila melanogaster</i> (hsp70-lacZ) Bg9. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 187-202.	1.3	19
30	Preparation, single-crystal investigation and spectrophotometric studies of proton transfer complex of 2,6-diaminopyridine with oxalic acid in various polar solvents. <i>Journal of Molecular Liquids</i> , 2018, 250, 150-161.	2.3	62