

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	246 citations	10 h-index	14 g-index
26 ext. papers	302 ext. citations	3.7 avg, IF	3.67 L-index

#	Paper	IF	Citations
25	An amino acid coordinated vanadium (IV) complex: Synthesis, structure, DFT calculations and VHPO mimicking catalytic bromoperoxidation of organic substrates. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 38, 43-46	3.1	27
24	DNA binding and nuclease activity of an oxovanadium valinato-Schiff base complex. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 166-71	7.9	26
23	Rapid detection of hydrazine in a naphthol-fused chromenyl loop and its effectiveness in human lung cancer cells: tuning remarkable selectivity via the reaction altered pathway supported by theoretical studies. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 2134-9	3.9	25
22	Rhodamine based turn-on chemosensor for Fe <sup>3+</sup> in aqueous medium and interactions of its Fe <sup>3+</sup> complex with DNA. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3435-3443	3.6	17
21	Adaptable sensor for employing fluorometric detection of methanol molecules: theoretical aspects and DNA binding studies. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8982-8992	3.6	16
20	Development of a multifunctional biomimicking L-cysteine based oxovanadium(IV) complex: synthesis, DFT calculations, bromo-peroxidation and nuclease activity. <i>RSC Advances</i> , <b>2015</b> , 5, 94462-94473	3.7	16
19	Single sensors for multiple analytes employing fluorometric differentiation for Cr <sup>3+</sup> and Al <sup>3+</sup> in semi-aqueous medium with bio-activity and theoretical aspects. <i>Analytical Methods</i> , <b>2018</b> , 10, 4063-4072	3.2	16
18	Synthesis, structure and DNA binding studies of oxime based [Mn <sub>3</sub> (μ <sub>3</sub> -O)] <sup>7+</sup> complex. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 483, 211-217	2.7	11
17	Targeting human telomeric DNA quadruplex with novel berberrubine derivatives: insights from spectroscopic and docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2019</b> , 37, 1375-1389	3.6	11
16	Design and development of bioactive hydroxy carboxylate group modified MnFe <sub>2</sub> O <sub>4</sub> nanoparticle: Comparative fluorescence study, magnetism and DNA nuclease activity. <i>Materials Today Chemistry</i> , <b>2017</b> , 5, 92-100	6.2	10
15	Amidooxime-Based Mononuclear Mn(II) Complexes: Synthesis, Characterization, and Studies on DNA Binding and Nuclease Activity. <i>ChemistrySelect</i> , <b>2018</b> , 3, 6935-6941	1.8	8
14	A light harvesting mononuclear manganese(II) complex: synthesis, characterization, DFT and TDDFT calculations and photophysical profile. <i>RSC Advances</i> , <b>2014</b> , 4, 15558-15568	3.7	7
13	Synthesis of 2D polymeric dicyanamide bridged hexa-coordinated Cu(II) complex: Structural characterization, spectral studies and TDDFT calculation. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1075, 286-291	3.4	7
12	Synthesis, structure, DNA binding studies and nuclease activities of two luminescent neodymium complexes. <i>Journal of Coordination Chemistry</i> , <b>2016</b> , 69, 2920-2941	1.6	7
11	Drug-surfactant comicellization: Propranolol hydrochloride-surface active ionic liquid systems in aqueous medium. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 309, 113164	6	7
10	Effect of bovine serum albumin on tartrate-modified manganese ferrite nano hollow spheres: spectroscopic and toxicity study. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 10726-10737	3.6	5
9	Targeting nucleic acid with a bioactive fluorophore: Insights from spectroscopic and calorimetric studies. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1220, 128690	3.4	5

8	Calorimetric insights into the interaction of novel berberrubine derivatives with human telomeric G-quadruplex DNA sequence. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 132, 623-630	4.1	5
7	Adaptable DNA-Interactive Probe Proficient at Selective Turn-On Sensing for Al: Insight from the Crystal Structure, Photophysical Studies, and Molecular Logic Gate. <i>ACS Omega</i> , <b>2020</b> , 5, 18411-18423	3.9	5
6	Anthracene-triazole-dicarboxylate-Based Zn(II) 2D Metal Organic Frameworks for Efficient Catalytic Carbon Dioxide Fixation into Cyclic Carbonates under Solvent-Free Condition and Theoretical Study for the Reaction Mechanism. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 175-186	3.9	4
5	New DNA-Interactive Manganese(II) Complex of Amidooxime: Crystal Structure, DFT Calculation, Biophysical and Molecular Docking Studies. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 5393-5404	2.8	3
4	Biophysical and Thermodynamic Investigations on the Differentiation of Fluorescence Response towards Interaction of DNA: A Pyrene-Based Receptor versus Its Fe(III) Complex.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 7810-7820	4.1	3
3	DNA intercalative trinuclear Cu(II) complex with new trans axial nitrato ligation as an efficient catalyst for atmospheric CO <sub>2</sub> fixation to epoxides. <i>CrystEngComm</i> , <b>2020</b> , 22, 8374-8386	3.3	2
2	A simple Cu(II) complex of phenolic oxime: synthesis, crystal structure, supramolecular interactions, DFT calculation and catecholase activity study. <i>Heliyon</i> , <b>2020</b> , 6, e04942	3.6	2
1	Design and synthesis of a sulphur containing Schiff base drug: DNA binding studies and theoretical calculations. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 263-271	3.6	1