

# Ramkrishna Dalui

## List of Publications by Citations

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63

papers

447

citations

14

h-index

18

g-index

78

ext. papers

625

ext. citations

3.2

avg, IF

4.18

L-index

#	Paper	IF	Citations
63	Electroactive and High Dielectric Folic Acid/PVDF Composite Film Rooted Simplistic Organic Photovoltaic Self-Charging Energy Storage Cell with Superior Energy Density and Storage Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 24198-24209	9.5	28
62	Improving the thermal stability, electroactive phase crystallization and dielectric constant of NiO nanoparticle/CNiO nanocomposite embedded flexible poly(vinylidene fluoride) thin films. <i>RSC Advances</i> , <b>2016</b> , 6, 26288-26299	3.7	26
61	Structure-activity relationship on DNA binding and anticancer activities of a family of mixed-ligand oxidovanadium(V) hydrazone complexes. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 4143-4155	3.6	25
60	Multispectroscopic analysis and molecular modeling to investigate the binding of beta lactoglobulin with curcumin derivatives. <i>RSC Advances</i> , <b>2016</b> , 6, 112175-112183	3.7	22
59	In silico fight against novel coronavirus by finding chromone derivatives as inhibitor of coronavirus main proteases enzyme. <i>Structural Chemistry</i> , <b>2020</b> , 31, 1-10	1.8	21
58	Anti-COVID-19 terpenoid from marine sources: A docking, admet and molecular dynamics study. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1228, 129433	3.4	21
57	4?-Chlorochalcone-Assisted Electroactive Polyvinylidene Fluoride Film-Based Energy-Storage System Capable of Self-Charging Under Light. <i>Energy Technology</i> , <b>2017</b> , 5, 2205-2215	3.5	20
56	A family of mixed-ligand oxidovanadium(V) complexes with aroylhydrazone ligands: a combined experimental and computational study on the electronic effects of para substituents of hydrazone ligands on the electronic properties, DNA binding and nuclease activities. <i>RSC Advances</i> , <b>2015</b> , 5, 92456-92472	3.7	16
55	Characterization of the binding of strychnine with bovine lactoglobulin and human lysozyme using spectroscopic, kinetic and molecular docking analysis. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8615-8628	3.6	16
54	Synthesis of 6,12-Methanobenzo[d]pyrano[3,4-g][1,3]dioxocin-1(12H)-ones and Study of Their Interaction with DNA and Lactoglobulin. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 6013-6022	3.2	16
53	Molecular designing, crystal structure determination and in silico screening of copper(II) complexes bearing 8-hydroxyquinoline derivatives as anti-COVID-19. <i>Bioorganic Chemistry</i> , <b>2021</b> , 110, 104772	5.1	16
52	An efficient synthesis of 1,3-dimethyl-5-(2-phenyl-4H-chromen-4-ylidene) pyrimidine-2,4,6(1H,3H,5H)-triones and investigation of their interactions with Lactoglobulin. <i>RSC Advances</i> , <b>2016</b> , 6, 96016-96024	3.7	16
51	Exploring the effect of substituent in the hydrazone ligand of a family of oxidovanadium(V) hydrazone complexes on structure, DNA binding and anticancer activity. <i>Dalton Transactions</i> , <b>2017</b> , 46, 16276-16293	4.3	15
50	The structural characterization and biological activity of sulfamethoxazolyl-azo-p-cresol, its copper(II) complex and their theoretical studies. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 5019-5031	3.6	14
49	A facile synthesis of 2-(2-phenyl-4H-chromen-4-ylidene)-2H-indene-1,3-diones and related compounds involving an interesting aerial oxidation. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 4954-4958	2	11
48	Multitargeting Antibacterial Activity of a Synthesized Mn Complex of Curcumin on Gram-Positive and Gram-Negative Bacterial Strains. <i>ACS Omega</i> , <b>2020</b> , 5, 16342-16357	3.9	10
47	Synthesis of several types of 2,8-dioxabicyclo[3.3.1]nonanes using amberlyst-15 as an efficient recyclable heterogeneous catalyst. <i>Synthetic Communications</i> , <b>2017</b> , 47, 2195-2201	1.7	9

46	An efficient three-component synthesis of coumarin-3-carbamides by use of Ni <sub>2</sub> O nanoparticles as magnetically separable catalyst. <i>RSC Advances</i> , <b>2015</b> , 5, 70718-70725	3.7	8
45	Development of oxidovanadium and oxido-peroxido vanadium-based artificial DNA nucleases via multi spectroscopic investigations and theoretical simulation of DNA binding. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2018</b> , 36, 919-927	3.6	8
44	Curious Results in the Prospective Binding Interactions of the Food Additive Tartrazine with $\beta$ -Lactoglobulin. <i>Langmuir</i> , <b>2019</b> , 35, 11579-11589	4	8
43	Mixed phenoxo and azido bridged dinuclear nickel(II) and copper(II) compounds with N,N,O-donor schiff bases: Synthesis, structure, DNA binding, DFT and molecular docking study. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 484, 197-205	2.7	8
42	Inhibition of amyloid fibril formation of $\beta$ -lactoglobulin by natural and synthetic curcuminoids. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19260-19271	3.6	8
41	Enhancement of Thermoelectric Performance in Oligomeric PEDOT-SWCNT Nanocomposite via Band Gap Tuning. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8992-8997	1.8	7
40	Catalytic efficiency of $\beta$ -cyclodextrin hydrate-chemoselective reaction of indoles with aldehydes in aqueous medium. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152231	2	7
39	Silver nanoparticle modulates the aggregation of beta-lactoglobulin and induces to form rod-like aggregates. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 596-604	7.9	7
38	Self-assembling behaviour of a modified aromatic amino acid in competitive medium. <i>Soft Matter</i> , <b>2020</b> , 16, 6599-6607	3.6	6
37	A crystallography-based investigation of weak interactions for drug design against COVID-19. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 7261-7270	3.6	6
36	Antibacterial activities of sulfamethoxazolyl-azo-phenols and their Cu(II) complexes along with molecular docking properties. <i>Journal of Biological Inorganic Chemistry</i> , <b>2017</b> , 22, 833-850	3.7	5
35	A facile synthesis of 2-aryl-4-(indol-3-yl)-4H-chromenes using amberlyst-15 as an efficient recyclable heterogeneous catalyst. <i>Monatshefte Für Chemie</i> , <b>2015</b> , 146, 1349-1354	1.4	5
34	Deciphering the role of the head group of cationic surfactants in their binding interactions with heme protein and their release by $\beta$ -cyclodextrin. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14914-14925	3.6	5
33	Physico-chemical property-driven dielectric behaviour and catalytic activity of nanocrystalline mullite synthesized from monophasic precursor gel. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 769-782	2.3	5
32	Ligand substituent effect on the cytotoxicity activity of two new copper(ii) complexes bearing 8-hydroxyquinoline derivatives: validated by MTT assay and apoptosis in MCF-7 cancer cell line (human breast cancer).. <i>RSC Advances</i> , <b>2021</b> , 11, 14362-14373	3.7	5
31	Visible light assisted photo-electrocatalytic oxidation of methanol using low Pt content NiO-rutile TiO <sub>2</sub> ternary heterojunction. <i>Applied Surface Science</i> , <b>2021</b> , 541, 148450	6.7	4
30	Simultaneous formation of non-oxidovanadium(IV) and oxidovanadium(V) complexes incorporating phenol-based hydrazone ligands in aerobic conditions. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 3700-3716	3.6	3
29	Exploring the Noncovalent Interactions of the Dinuclear Cu(II) Schiff Base Complex with Bovine Serum Albumin and Cell Viability against the SiHa Cancer Cell Line. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 11364-11373	3.4	3

28	On the regioselectivity of the amberlyst-15 catalyzed condensation of 2-hydroxychalcones and 4,4-dimethylcyclohexane-1,3-dione. <i>Monatshefte Für Chemie</i> , <b>2018</b> , 149, 2113-2121	1.4	3
27	Remarkable Diastereoselectivity of the Thia-Michael Reaction on Di[(E)-benzylidene]alkanones: Exclusive Formation of a meso Product. <i>Synlett</i> , <b>2018</b> , 29, 1161-1166	2.2	2
26	Facile synthesis and characterization of beta lactoglobulin-copper nanocomposites having antibacterial applications. <i>RSC Advances</i> , <b>2016</b> , 6, 85340-85346	3.7	2
25	Design and synthesis of a new class of 2,4-thiazolidinedione based macrocycles suitable for Fe <sup>3+</sup> sensing. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 15270-15276	3.6	2
24	Design and Synthesis of Near-Infrared Mechanically Interlocked Molecules for Specific Targeting of Mitochondria. <i>Organic Letters</i> , <b>2020</b> , 22, 5839-5843	6.2	2
23	Supramolecular assemblies of a 1,8-naphthalimide conjugate and its aggregation-induced emission property. <i>Materials Advances</i> , <b>2020</b> , 1, 3532-3538	3.3	2
22	Antioxidant ferulic acid prevents the aggregation of bovine lactoglobulin in vitro. <i>Journal of Chemical Sciences</i> , <b>2020</b> , 132, 1	1.8	2
21	Factors for COVID-19 Infection that Govern the Severity of Illness. <i>SciMedicine Journal</i> , <b>2021</b> , 3, 177-197	7	2
20	Synthesis, characterization, and cytotoxic and antimicrobial activities of mixed-ligand hydrazone complexes of variable valence VO <sub>z</sub> <sup>+</sup> (z = 2, 3). <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 16714-16729	3.6	2
19	Modulation of amyloid fibrillation of bovine lactoglobulin by selective methionine oxidation.. <i>RSC Advances</i> , <b>2021</b> , 11, 11192-11203	3.7	2
18	Bovine serum albumin interactive one dimensional hexanuclear manganese(III) complex: synthesis, structure, binding and molecular docking studies. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 12678-12687	3.6	2
17	Facile Synthesis of a New Class of Pyrazolone Attached Chromene Derivatives Showing Good Binding with Lactoglobulin. <i>ChemistrySelect</i> , <b>2018</b> , 3, 5138-5142	1.8	2
16	Newly designed Mn(III)/M(V) bimetallic assembly built by manganese(III) Schiff base and octacyanotungstate(V) building blocks: Structural topologies, and magnetic features. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5914	3.1	1
15	Synthesis, characterization, theoretical simulation, and DNA-nuclease activity of a newly synthesized Mn(II) complex. <i>Journal of Coordination Chemistry</i> , <b>2018</b> , 71, 3250-3265	1.6	1
14	Synthesis and Chemical Reactivity of 4-Oxo-4H-1-benzopyran-3-carboxaldehyde. <i>Journal of Heterocyclic Chemistry</i> , <b>2014</b> , 51, E1-E24	1.9	1
13	Influence of the cavity size of cyclodextrins on the photochromism of azoimidazoles. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 100295		1
12	Novel chalcones as Bcl-2 inhibitor in lung cancer: docking, design and synthesis of 2,3-Tetrasubstituted-2,3-dihydrobenzofuran-3-carboxamides. <i>Journal of Chemical Sciences</i> , <b>2020</b> , 132, 1	1.8	1
11	Mononuclear copper(II) Schiff base complex: synthesis, structure, electrical analysis and protein binding study. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2995-3006	3.6	1

10	Fluxional chloro-pyrrolePd(II) complex to cationic $\eta$ -pyrrolePd(II) complex: subtlety in structure-directed bonding mode. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 10594-10598	3.6	1
9	Spectroscopic characterization, structural investigation, DFT study, and Hirshfeld surface analysis of rhodium and ruthenium amido azo complexes. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1241, 130671	3.4	1
8	Spacers directed self-assembly of heterobimetallic copper(II)-lanthanide(III) [Ln = Nd and Gd] moieties: syntheses, structural diversities and magnetic properties. <i>Polyhedron</i> , <b>2022</b> , 115718	2.7	0
7	A study of DNA/BSA interaction and catalytic potential of oxidovanadium(V, IV) complexes incorporating dibenzofuran based O <sup>N</sup> O ligand. <i>Journal of Organometallic Chemistry</i> , <b>2022</b> , 961, 122244-3	2.3	0
6	Structural alteration of myoglobin with two homologous cationic surfactants and effect of Cyclodextrin: multifaceted insight and molecular docking study. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 19555-19569	3.6	0
5	Access to chromone-3-carboxylic acid via silver mediated coupling of 4-hydroxy coumarin and enol ester. <i>Tetrahedron Letters</i> , <b>2021</b> , 75, 153206	2	0
4	A family of amphiphilic dioxidovanadium(V) hydrazone complexes as potent carbonic anhydrase inhibitors along with anti-diabetic and cytotoxic activities.. <i>BioMetals</i> , <b>2022</b> , 1	3.4	0
3	Simple Diastereoselective Synthesis of (2S*,2'R*,3'R*,4S*)-2,3?-Diphenylspiro[chroman-3,2?-oxiran]-4-ols and (2S*,2'S*,3'S*,4S*)-2,3?-Diphenylspiro[chroman-3,2?-oxiran]-4-ols. <i>Organic Preparations and Procedures International</i> , <b>2018</b> , 50, 100-107	1.1	
2	3-[4-Bromo-(R*)-methoxybenzyl]-6-chloro-3(S*),4(S*)-dihydroxychroman: X-ray and DFT Studies. <i>Crystallography Reports</i> , <b>2018</b> , 63, 394-400	0.6	
1	Crystal Structures of Two Macrocyclic Bischalcones Possessing 26-Membered Rings. <i>Journal of Crystallography</i> , <b>2015</b> , 2015, 1-5		