

# Priyadip Das

## List of Publications by Year in descending order

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46  
papers

1,443  
citations

331670

21  
h-index

315739

38  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2130  
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of the recent developments on Hg <sup>2+</sup> recognition. RSC Advances, 2014, 4, 36140-36174.	3.6	173
2	A CN <sup>3-</sup> specific turn-on phosphorescent probe with probable application for enzymatic assay and as an imaging reagent. Chemical Communications, 2013, 49, 255-257.	4.1	99
3	A highly selective and dual responsive test paper sensor of Hg <sup>2+</sup> /Cr <sup>3+</sup> for naked eye detection in neutral water. RSC Advances, 2012, 2, 3714.	3.6	89
4	New Chemodosimetric Reagents as Ratiometric Probes for Cysteine and Homocysteine and Possible Detection in Living Cells and in Blood Plasma. Chemistry - A European Journal, 2012, 18, 15382-15393.	3.3	78
5	Zn(ii) and Cd(ii)-based complexes for probing the enzymatic hydrolysis of Na <sub>4</sub> P <sub>2</sub> O <sub>7</sub> by alkaline phosphatase in physiological conditions. Chemical Communications, 2011, 47, 8118.	4.1	68
6	Recognition of Hg <sup>2+</sup> Ion through Restricted Imine Isomerization: Crystallographic Evidence and Imaging in Live Cells. Organic Letters, 2012, 14, 2980-2983.	4.6	66
7	Zn <sup>II</sup> -2,2,6,6-tetrapyridine-Based Complex as Fluorescent Chemosensor for PPI, AMP and ADP. European Journal of Inorganic Chemistry, 2011, 2011, 3050-3058.	2.0	63
8	Role of Metal Ion in Specific Recognition of Pyrophosphate Ion under Physiological Conditions and Hydrolysis of the Phosphoester Linkage by Alkaline Phosphatase. Inorganic Chemistry, 2013, 52, 11034-11041.	4.0	60
9	Photoactive Ru <sup>II</sup> -Polypyridyl Complexes that Display Sequence Selectivity and High Affinity Binding to Duplex DNA through Groove Binding. Chemistry - A European Journal, 2011, 17, 2089-2098.	3.3	55
10	Dipeptide Nanotubes Containing Unnatural Fluorine-Substituted <sup>2,3</sup> -Diarylamino Acid and <sup>l</sup> -Alanine as Candidates for Biomedical Applications. Organic Letters, 2015, 17, 4468-4471.	4.6	50
11	Receptor design and extraction of inorganic fluoride ion from aqueous medium. Chemical Communications, 2011, 47, 7398.	4.1	49
12	Designing a thiol specific fluorescent probe for possible use as a reagent for intracellular detection and estimation in blood serum: kinetic analysis to probe the role of intramolecular hydrogen bonding. Organic and Biomolecular Chemistry, 2013, 11, 6604.	2.8	42
13	Revealing the role of catechol moieties in the interactions between peptides and inorganic surfaces. Nanoscale, 2016, 8, 15309-15316.	5.6	42
14	A Taco Complex Derived from a Bis-Crown Ether Capable of Executing Molecular Logic Operation through Reversible Complexation. Journal of Organic Chemistry, 2012, 77, 6789-6800.	3.2	39
15	Elucidating the mechanism of interaction between peptides and inorganic surfaces. Physical Chemistry Chemical Physics, 2015, 17, 15305-15315.	2.8	39
16	Inversion of Supramolecular Chirality by Sonication-Induced Organogelation. Scientific Reports, 2015, 5, 16365.	3.3	36
17	Self-assembly of an amphipathic <sup>1±1</sup> -tripeptide into cationic spherical particles for intracellular delivery. Organic and Biomolecular Chemistry, 2017, 15, 6773-6779.	2.8	34
18	Sticky tubes and magnetic hydrogels co-assembled by a short peptide and melanin-like nanoparticles. Chemical Communications, 2015, 51, 5432-5435.	4.1	33

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19	Unusual Specificity of a Receptor for Nd <sup>3+</sup> Among Other Lanthanide Ions for Selective Colorimetric Recognition. <i>Inorganic Chemistry</i> , 2010, 49, 6909-6916.	4.0	31
20	Restricted Conformational Flexibility of a Triphenylamine Derivative on the Formation of Host-Guest Complexes with Various Macrocyclic Hosts. <i>Chemistry - A European Journal</i> , 2012, 18, 3906-3917.	3.3	27
21	Combining Optical Properties with Flexibility in Halogen-Substituted Benzothiazole Crystals. <i>Crystal Growth and Design</i> , 2020, 20, 3937-3943.	3.0	27
22	Diamine derivative of a ruthenium(II)-polypyridyl complex for chemodosimetric detection of nitrite ion in aqueous solution. <i>Inorganica Chimica Acta</i> , 2011, 372, 115-119.	2.4	22
23	An alternative approach: a highly selective dual responding fluoride sensor having active methylene group as binding site. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2263.	2.8	20
24	Anion responsive and morphology tunable tripodal gelators. <i>RSC Advances</i> , 2016, 6, 83303-83311.	3.6	19
25	Structure Property Correlation of a Series of Halogenated Schiff Base Crystals and Understanding of the Molecular Basis Through Nanoindentation. <i>Crystal Growth and Design</i> , 2019, 19, 6698-6707.	3.0	19
26	Self-assembled dipeptide based fluorescent nanoparticles as a platform for developing cellular imaging probes and targeted drug delivery chaperones. <i>Nanoscale Advances</i> , 2022, 4, 1694-1706.	4.6	18
27	The design and development of short peptide-based novel smart materials to prevent fouling by the formation of non-toxic and biocompatible coatings. <i>RSC Advances</i> , 2020, 10, 13420-13429.	3.6	17
28	Self-assembly of a metallo-peptide into a drug delivery system using a "switch on" displacement strategy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8228-8237.	5.8	16
29	Review insights into the interactions of amino acids and peptides with inorganic materials using single molecule force spectroscopy. <i>Biopolymers</i> , 2015, 104, 480-494.	2.4	15
30	Concentration-dependent fabrication of short-peptide-based different self-assembled nanostructures with various morphologies and intracellular delivery property. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2110-2119.	5.9	14
31	Single-stranded DNA detection by solvent-induced assemblies of a metallo-peptide-based complex. <i>Nanoscale</i> , 2016, 8, 9527-9536.	5.6	10
32	Supramolecular Structures Generated via Self-Assembly of a Cell Penetrating Tetrapeptide Facilitate Intracellular Delivery of a Pro-apoptotic Chemotherapeutic Drug. <i>ACS Applied Bio Materials</i> , 2021, 4, 6807-6820.	4.6	10
33	Encapsulation of a Ru(II)-picrylamine complex of the antibacterial drug trimethoprim into a polydiacetylene-phospholipid assembly to enhance its <i>in vitro</i> anticancer and antibacterial activities. <i>New Journal of Chemistry</i> , 2020, 44, 20047-20059.	2.8	9
34	Concise asymmetric syntheses of the (+)-2-C-methyltetritol isomers. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2167-2170.	1.8	7
35	Urea/thiourea derivatives and Zn(II)-DPA complex as receptors for anionic recognition: A brief account. <i>Journal of Chemical Sciences</i> , 2011, 123, 175-186.	1.5	7
36	Fabrication of self-assembled nanostructures for intracellular drug delivery from diphenylalanine analogues with rigid or flexible chemical linkers. <i>Nanoscale Advances</i> , 2021, 3, 6176-6190.	4.6	7

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37	Self-assembly induced tunable multiple fluorescence output from a white light-emitting functionalized single I <sup>+</sup> -conjugated molecule and implication in VOC sensing applications. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1421-1436.	5.9	7
38	Self-assembly of azide containing dipeptides. <i>Journal of Peptide Science</i> , 2014, 20, 479-486.	1.4	5
39	Covalent Inhibition of HIV-1 Integrase by N <sup>+</sup> -Succinimidyl Peptides. <i>ChemMedChem</i> , 2016, 11, 1987-1994.	3.2	5
40	Structure-property correlation of halogen substituted benzothiazole crystals. <i>Journal of Molecular Structure</i> , 2021, 1243, 130765.	3.6	4
41	Polydiacetylene (PDA) liposome-based colorimetric sensor for the detection of ATP in aqueous medium. <i>Materials Today: Proceedings</i> , 2021, 40, S230-S235.	1.8	3
42	Generation of Self-Assembled Structures Composed of Amphipathic, Charged Tripeptides for Intracellular Delivery of Pro-Apoptotic Chemotherapeutics. <i>Israel Journal of Chemistry</i> , 2022, 62, .	2.3	3
43	Peptide fibrils as monomer storage of the covalent HIV-1 integrase inhibitor. <i>Journal of Peptide Science</i> , 2017, 23, 117-121.	1.4	2
44	Insights into the Interactions of Amino Acids and Peptides with Inorganic Materials Using Single-Molecule Force Spectroscopy. <i>Journal of Visualized Experiments</i> , 2017, .	0.3	2
45	Synthesis and characterisation of halogen substituted benzothiazole compounds. <i>Materials Today: Proceedings</i> , 2021, 40, S224-S229.	1.8	2
46	Inside Cover: Photoactive Rull-Polypyridyl Complexes that Display Sequence Selectivity and High-Affinity Binding to Duplex DNA through Groove Binding ( <i>Chem. Eur. J.</i> 7/2011). <i>Chemistry - A European Journal</i> , 2011, 17, 2002-2002.	3.3	0