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A supramolecular Cu(II) metallocyclophane probe for guanosine 5t-monophosphate

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Chemical Communications, 2009, , 6352-4.

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#	Paper	IF	Citations
53	Functional cyclophanes: promising hosts for optical biomolecular recognition. <i>Chemical Society Reviews</i> , 2010 , 39, 4158-68	58.5	133
52	Synthesis of carbohydrate-conjugate heterobimetallic Cu(II)-Sn(2)(IV) and Zn(II)-Sn(2)(IV) complexes; their interactions with CT DNA and nucleotides; DNA cleavage, in-vitro cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 4797-806	6.8	27
51	Site-selective interactions: squaraine dye-serum albumin complexes with enhanced fluorescence and triplet yields. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 5912-9	3.4	102
50	DNA-assisted white light emission through FRET. <i>Chemical Communications</i> , 2011 , 47, 1288-90	5.8	37
49	Bis- and tris-naphthoimidazolium derivatives for the fluorescent recognition of ATP and GTP in 100% aqueous solution. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 8340-5	3.9	44
48	Self-assembly of new fluorescent Pd(II) and Pt(II) 2,7-diazapyrenium-based metallocycles and study of their inclusion complexes and [3]catenanes. <i>Chemical Science</i> , 2011 , 2, 2407	9.4	37
47	Study of cavity size and nature of bridging units on recognition of nucleotides by cyclophanes. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 1021-9	3.9	26
46	Fluorescent sensing of triphosphate nucleotides via anthracene derivatives. <i>Journal of Organic Chemistry</i> , 2011 , 76, 3805-11	4.2	60
45	Fluorescent imidazolium-based cyclophane for detection of guanosine-5'-triphosphate and I(-) in aqueous solution of physiological pH. <i>Organic Letters</i> , 2011 , 13, 5476-9	6.2	70
44	Designed nucleotide binding motifs. <i>Journal of Organic Chemistry</i> , 2011 , 76, 2933-6	4.2	18
43	Fluorescent and colorimetric chemosensors for detection of nucleotides, FAD and NADH: highlighted research during 2004-2010. <i>Chemical Society Reviews</i> , 2011 , 40, 2222-35	58.5	339
42	De novo design of chiral organotin cancer drug candidates: validation of enantiopreferential binding to molecular target DNA and 5'-GMP by UV-visible, fluorescence, (1)H and (31)P NMR. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 105, 167-74	6.7	15
41	Carbohydrate-conjugate heterobimetallic complexes: synthesis, DNA binding studies, artificial nuclease activity and in vitro cytotoxicity. <i>Carbohydrate Research</i> , 2011 , 346, 2886-95	2.9	18
40	Chromogenic and fluorogenic chemosensors and reagents for anions. A comprehensive review of the year 2009. <i>Chemical Society Reviews</i> , 2011 , 40, 2593-643	58.5	349
39	Fluorescent sensing and discrimination of ATP and ADP based on a unique sandwich assembly of pyrene-adenine-pyrene. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2114-22	4.5	54
38	Zn(II)-2,2':6,2''-Terpyridine-Based Complex as Fluorescent Chemosensor for PPI, AMP and ADP. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 3050-3058	2.3	55
37	Aromatische Ringe in chemischer und biologischer Erkennung: Energien und Strukturen. <i>Angewandte Chemie</i> , 2011 , 123, 4908-4944	3.6	232

36	Aromatic rings in chemical and biological recognition: energetics and structures. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4808-42	16.4	1163
35	Stability and structure of mixed-ligand metal ion complexes that contain Ni ²⁺ , Cu ²⁺ , or Zn ²⁺ , and Histamine, as well as adenosine 5'-triphosphate (ATP ⁴⁻) or uridine 5'-triphosphate (UTP ⁴⁻): an intricate network of equilibria. <i>Chemistry - A European Journal</i> , 2011 , 17, 5393-403	4.8	23
34	A highly selective fluorescent chemosensor for guanosine-5'-triphosphate via excimer formation in aqueous solution of physiological pH. <i>Chemical Communications</i> , 2012 , 48, 2662-4	5.8	58
33	Selective recognition of H ₂ PO ₄ ⁻ by a cholestane-imidazole-zinc ensemble. <i>Tetrahedron Letters</i> , 2012 , 53, 2627-2631	2	10
32	Interplay of monomer, intra- and intermolecular excimer fluorescence in cyclophanes and selective recognition of methanol vapours. <i>RSC Advances</i> , 2013 , 3, 5624	3.7	10
31	Photomorphogenesis of β -globulin: effect on sequential ordering and knock out of gold nanoparticles array. <i>RSC Advances</i> , 2013 , 3, 13463	3.7	1
30	Optimization of triplet excited state and singlet oxygen quantum yields of picolylamine-porphyrin conjugates through zinc insertion. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 13515-22	3.4	31
29	Efficient reaction based colorimetric probe for sensitive detection, quantification, and on-site analysis of nitrite ions in natural water resources. <i>Analytical Chemistry</i> , 2013 , 85, 10008-12	7.8	106
28	An unexpected highly selective mononuclear zinc complex for adenosine diphosphate (ADP). <i>Chemical Communications</i> , 2013 , 49, 11704-6	5.8	23
27	Dye encapsulation and release by a zinc porphyrin pincer system through morphological transformations. <i>RSC Advances</i> , 2013 , 3, 3815	3.7	7
26	An anthracene-modified β -cyclodextrin that distinguishes adenosine phosphates fluorescently. <i>Tetrahedron Letters</i> , 2014 , 55, 1802-1805	2	6
25	A reversible dual mode chemodosimeter for the detection of cyanide ions in natural sources. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1636-42	4.5	41
24	Metal ion detection by naphthylthiourea derivatives through Turn-on Excimer emission. <i>RSC Advances</i> , 2014 , 4, 8015	3.7	4
23	Effective discrimination of GTP from ATP by a cationic tentacle porphyrin through Turn-on fluorescence intensity. <i>RSC Advances</i> , 2014 , 4, 30644-30647	3.7	7
22	Discrimination of adenine nucleotides and pyrophosphate in water by a zinc complex of an anthracene-based cyclophane. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 3701-6	3.9	20
21	Selective and dual naked eye detection of Cu ²⁺ and Hg ²⁺ ions using a simple quinoline-barbaldehyde chemosensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 480-488	8.5	30
20	Sensitive naked eye detection of hydrogen sulfide and nitric oxide by aza-BODIPY dyes in aqueous medium. <i>Analytical Chemistry</i> , 2014 , 86, 9335-42	7.8	76
19	Fluorescent chemodosimeter based on NHC complex for selective recognition of cyanide ions in aqueous medium. <i>RSC Advances</i> , 2014 , 4, 47982-47986	3.7	8

18	1,8-Naphthalimide-based colorimetric and fluorescent sensor for recognition of GMP, TMP, and UMP and its application in in vivo imaging. <i>Tetrahedron Letters</i> , 2014 , 55, 6131-6136	2	15
17	Cyclic GMP recognition using ratiometric QD-fluorophore conjugate nanosensors. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 288-92	11.8	10
16	A rare binuclear metallocyclic planar 20, 26 and 34 membered zinc-organic rings. <i>Polyhedron</i> , 2015 , 93, 84-90	2.7	2
15	Self-assembled copper(II) metallacycles derived from asymmetric Schiff base ligands: efficient hosts for ADP/ATP in phosphate buffer. <i>Dalton Transactions</i> , 2015 , 44, 17152-65	4.3	12
14	1,8-naphthalimide modified [12]aneN ₄ compounds as selective and sensitive probes for Cu ²⁺ ions and ATP in aqueous solution and living cells. <i>Talanta</i> , 2016 , 152, 438-46	6.2	30
13	A terbium(III)-based coordination polymer for time-resolved determination of hydrogen sulfide in human serum via displacement of copper(II). <i>Analytical Methods</i> , 2017 , 9, 1004-1010	3.2	13
12	Functional metal-organic quadrangular macrocycle as luminescent sensor for ATP in aqueous media. <i>Inorganic Chemistry Communication</i> , 2017 , 84, 195-199	3.1	6
11	Aryl appended neutral and cationic half-sandwich ruthenium(II)NHC complexes: synthesis, characterisation and catalytic applications. <i>New Journal of Chemistry</i> , 2017 , 41, 12736-12745	3.6	8
10	Synthesis and structural studies of N-heterocyclic carbene Ag(I) and Hg(II) complexes and recognition of dihydrogen phosphate anion. <i>Scientific Reports</i> , 2017 , 7, 7534	4.9	5
9	An efficient molecular probe for visual detection of adenosine triphosphate in aqueous medium. <i>Journal of Luminescence</i> , 2018 , 203, 195-202	3.8	2
8	Interaction of Nucleotides with a Trinuclear Terbium(III)-Dizinc(II) Complex: Efficient Sensitization of Terbium Luminescence by Guanosine Monophosphate and Application to Real-Time Monitoring of Phosphodiesterase Activity. <i>Inorganic Chemistry</i> , 2019 , 58, 495-505	5.1	11
7	A water-soluble 1,8-naphthyridine-based imidazolium molecular gripper for fluorescence sensing and discriminating of GMP. <i>Dyes and Pigments</i> , 2020 , 174, 108103	4.6	3
6	Direct realization of an Operando Systems Chemistry Algorithm (OSCAL) for powering nanomotors. <i>Nanoscale</i> , 2021 , 13, 3543-3551	7.7	0
5	Luminescent Imidazolium Salts as Bright Multi-Faceted Tools for Biology. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 4099-4106	3.2	2
4	Hierarchical Two-Level Supramolecular Chirality of an Achiral Anthracene-Based Tetracationic Nanotube in Water. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15354-15358	16.4	8
3	Hierarchical Two-Level Supramolecular Chirality of an Achiral Anthracene-Based Tetracationic Nanotube in Water. <i>Angewandte Chemie</i> , 2021 , 133, 15482-15486	3.6	1
2	Exploring the Nucleobase-Specific Hydrophobic Interaction of Cryptolepine Hydrate with RNA and Its Subsequent Sequestration. <i>Langmuir</i> , 2021 , 37, 11176-11187	4	1
1	Cu/nucleotide Coordination Self-assembling to in Situ Regenerate NAD(P) ⁺ and co-immobilize Dehydrogenase With Robust Activity and Stability. <i>Biochemical Engineering Journal</i> , 2022 , 108467	4.2	

