

Arunabha Thakur

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Sensitive and Selective Redox, Chromogenic, and "Turn-On" Fluorescent Probe for Pb(II) in Aqueous Environment. <i>Analytical Chemistry</i> , 2013, 85, 1665-1674.	6.5	76
2	A Highly Selective Redox, Chromogenic, and Fluorescent Chemosensor for Hg ²⁺ in Aqueous Solution Based on Ferrocene-Glycine Bioconjugates. <i>Inorganic Chemistry</i> , 2011, 50, 7066-7073.	4.0	73
3	ICT "Isomerization-Induced Turn-On Fluorescence Probe with a Large Emission Shift for Mercury Ion: Application in Combinational Molecular Logic. <i>Inorganic Chemistry</i> , 2017, 56, 11577-11590.	4.0	54
4	Triazolyl Alkoxy Fischer Carbene Complexes in Conjugation with Ferrocene/Pyrene as Sensory Units: Multifunctional Chemosensors for Lead(II), Copper(II), and Zinc(II) Ions. <i>Organometallics</i> , 2014, 33, 3096-3107.	2.3	49
5	Recent advances in the development of ferrocene based electroactive small molecules for cation recognition: A comprehensive review of the years 2010-2020. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213685.	18.8	40
6	Novel Class of Heterometallic Cubane and Boride Clusters Containing Heavier Group 16 Elements. <i>Inorganic Chemistry</i> , 2012, 51, 8322-8330.	4.0	34
7	Catecholboryl-functionalized ferrocene based Lewis acid system: A selective probe for fluoride ion through multiple channels. <i>Journal of Organometallic Chemistry</i> , 2012, 715, 129-135.	1.8	33
8	An Efficient Ferrocene Derivative as a Chromogenic, Optical, and Electrochemical Receptor for Selective Recognition of Mercury(II) in an Aqueous Environment. <i>Organometallics</i> , 2012, 31, 819-826.	2.3	32
9	Synthesis of triazole linked fluorescent amino acid and carbohydrate bio-conjugates: a highly sensitive and skeleton selective multi-responsive chemosensor for Cu(II) and Pb(II)/Hg(II) ions. <i>RSC Advances</i> , 2014, 4, 1918-1928.	3.6	28
10	A Redox-Driven Fluorescence "Off-On" Molecular Switch Based on a 1,1'-Unsymmetrically Substituted Ferrocenyl Coumarin System: Mimicking Combinational Logic Operation. <i>Organometallics</i> , 2017, 36, 829-838.	2.3	27
11	An Efficient Molecular Tool with Ferrocene Backbone: Discriminating Fe ³⁺ from Fe ²⁺ in Aqueous Media. <i>Organometallics</i> , 2017, 36, 2141-2152.	2.3	26
12	Oxidation-Induced Differentially Selective Turn-On Fluorescence via Photoinduced Electron Transfer Based on a Ferrocene-Appended Coumarin-Quinoline Platform: Application in Cascaded Molecular Logic. <i>Inorganic Chemistry</i> , 2020, 59, 4493-4507.	4.0	26
13	Synthesis and sensing properties of 1,1'-disubstituted unsymmetrical ferrocene-triazole derivatives: a multichannel probe for Hg(II) ion. <i>RSC Advances</i> , 2013, 3, 18614.	3.6	25
14	A triazole based triferrocene derivative as a multiresponsive chemosensor for Hg(II) ion and a redox chemosensor for H ₂ PO ₄ ⁻ ion. <i>Journal of Organometallic Chemistry</i> , 2013, 726, 71-78.	1.8	25
15	Novel Triple-Decker Sandwich Complex with a Six-Membered [B ₃ Co ₂ (1/4 ₄ -Te)] Ring as the Middle Deck. <i>Inorganic Chemistry</i> , 2013, 52, 2262-2264.	4.0	24
16	Synthesis of mono and doubly alkynyl substituted ferrocene and its crystal engineering using "Ca-HA·O" supramolecular synthon. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1059-1064.	1.8	22
17	Triazole appended mono and 1,1'-di-substituted ferrocene-naphthalene conjugates: Highly selective and sensitive multi-responsive probes for Hg(II). <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 640-650.	7.8	22
18	Ferrocene appended fluorescein-based ratiometric fluorescence and electrochemical chemosensor for Fe ³⁺ and Hg ²⁺ ions in aqueous media: Application in real samples analysis. <i>Inorganica Chimica Acta</i> , 2019, 498, 119097.	2.4	18

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19	A triazole tethered triferrocene derivative as a selective chemosensor for mercury(II) in aqueous environment. <i>Polyhedron</i> , 2013, 52, 1109-1117.	2.2	17
20	Naphthalene-glycine conjugate: An extremely selective colorimetric chemosensor for iodide ion in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 617-626.	7.8	16
21	Click-generated triazole based ferrocene-carbohydrate bioconjugates: A highly selective multisignalling probe for Cu(II) ions. <i>Journal of Chemical Sciences</i> , 2012, 124, 1255-1260.	1.5	15
22	Metal-coordination driven intramolecular twisting: a turn-on fluorescent-redox probe for Hg ²⁺ ions through the interaction of ferrocene nonbonding orbitals and dibenzylidenehydrazine. <i>Dalton Transactions</i> , 2019, 48, 8209-8220.	3.3	10
23	Microwave-Assisted Neat Synthesis of a Ferrocene Appended Phenolphthalein Diyne: A Designed Synthetic Scaffold for Hg ²⁺ Ion. <i>Inorganic Chemistry</i> , 2020, 59, 10099-10112.	4.0	10
24	A Homometallic Tricapped Cubane Cluster: [(Cp*Mo) ₄ B ₄ H ₄ ($\frac{1}{4}$ -BH) ₃] (Cp* = η^5 -C ₅ Me ₅). <i>Inorganic Chemistry</i> , 2011, 50, 7940-7942.	4.0	9
25	Neutral tris(azolyl)phosphanes: An intriguing class of molecules in chemistry. <i>Coordination Chemistry Reviews</i> , 2016, 329, 16-52.	18.8	9
26	A new synthetic route to Lindqvist type clusters [(n-Bu ₄ N) _x][M ₅ O ₁₉] [when x = 2, M = Mo or W; x = 3, M = Mo, M = W] from metal carbonyl precursors [(CO) ₅ ML] [M = Mo, W; L = CO, C(OMe)(Me)]. <i>Dalton Transactions</i> , 2009, , 7552.	3.3	8
27	Unprecedented ferrocene-quinoline conjugates: facile proton conduction via 1D helical water chains and a selective chemosensor for Zn(II) ions in water. <i>RSC Advances</i> , 2015, 5, 15690-15694.	3.6	6
28	A conjugated photoresponsive dithienylethene-ferrocene system: applications in secret writing and decoding information. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8860-8873.	5.5	5
29	A novel quinoline-based NNN-pincer Cu(II) complex as a superior catalyst for oxidative esterification of allylic C(sp ³)-H bonds. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3540-3549.	2.8	4
30	Strategic design of a 2,6-disubstituted pyridine-based probe having hard-soft centers: responsive divergence from one core. <i>New Journal of Chemistry</i> , 2022, 46, 12103-12119.	2.8	4
31	Naphthol based positional isomers of ferrocene appended benzochromene: Differential selectivity towards Hg(II) ion. <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121958.	1.8	3
32	Light-Triggered Metal Coordination Dynamics in Photoswitchable Dithienylethene-Ferrocene System. <i>Inorganic Chemistry</i> , 2021, 60, 6086-6098.	4.0	2
33	Cyclic vs. acyclic alkyne towards Hg ²⁺ ion detection: combined experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 2989-3005.	2.8	1