

# Pabitra Chattopadhyay

## List of Publications by Year in descending order

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127  
papers

3,449  
citations

147801

31  
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168389

53  
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127  
all docs

127  
docs citations

127  
times ranked

3658  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ternary Copper Complexes for Photocleavage of DNA by Red Light: A Direct Evidence for Sulfur-to-Copper Charge Transfer and d <sup>10</sup> Band Involvement. <i>Journal of the American Chemical Society</i> , 2003, 125, 12118-12124.	13.7	257
2	A water soluble Al <sup>3+</sup> selective colorimetric and fluorescent turn-on chemosensor and its application in living cell imaging. <i>Analyst</i> , 2012, 137, 3975.	3.5	199
3	A ratiometric fluorescent chemosensor for iron: discrimination of Fe <sup>2+</sup> and Fe <sup>3+</sup> and living cell application. <i>Analyst</i> , 2012, 137, 3335.	3.5	162
4	A new functionalized mesoporous matrix supported Pd(ii)-Schiff base complex: an efficient catalyst for the Suzuki–Miyaura coupling reaction. <i>Dalton Transactions</i> , 2010, 39, 6395.	3.3	133
5	A New Half-Condensed Schiff Base Compound: Highly Selective and Sensitive pH-Responsive Fluorescent Sensor. <i>Organic Letters</i> , 2011, 13, 4510-4513.	4.6	110
6	A new fluorogenic probe for the selective detection of carbon monoxide in aqueous medium based on Pd(0) mediated reaction. <i>Chemical Communications</i> , 2015, 51, 4410-4413.	4.1	107
7	A New Lysosome-Targetable Turn-On Fluorogenic Probe for Carbon Monoxide Imaging in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 2933-2938.	6.5	98
8	A Highly Selective Fluorescent Chemosensor for Zinc Ion and Imaging Application in Living Cells. <i>Inorganic Chemistry</i> , 2011, 50, 1213-1219.	4.0	82
9	A rhodamine-based “turn-on” Al <sup>3+</sup> ion-selective reporter and the resultant complex as a secondary sensor for F <sup>-</sup> ion are applicable to living cell staining. <i>Dalton Transactions</i> , 2015, 44, 8708-8717.	3.3	76
10	Copper(II) complex with tridentate N donor ligand: Synthesis, crystal structure, reactivity and DNA binding study. <i>Polyhedron</i> , 2010, 29, 1583-1587.	2.2	75
11	A new chelating resin containing azophenolcarboxylate functionality: synthesis, characterization and application to chromium speciation in wastewater. <i>Analytica Chimica Acta</i> , 2007, 584, 469-476.	5.4	67
12	A new water-soluble copper(ii) complex as a selective fluorescent sensor for azide ion. <i>Chemical Communications</i> , 2010, 46, 1754.	4.1	66
13	Separation and determination of some metal ions on new chelating resins containing N, N donor sets. <i>Analytica Chimica Acta</i> , 2006, 556, 430-437.	5.4	58
14	Selective and Sensitive Turn-on Chemosensor for Arsenite Ion at the ppb Level in Aqueous Media Applicable in Cell Staining. <i>Analytical Chemistry</i> , 2014, 86, 11357-11361.	6.5	54
15	Preparation and properties of a new chelating resin containing imidazolyl azo groups. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 368-372.	1.5	52
16	A fluorescent probe for the selective detection of creatinine in aqueous buffer applicable to human blood serum. <i>Chemical Communications</i> , 2016, 52, 13706-13709.	4.1	52
17	Synthesis, spectral and electrochemical studies of arylazopyridine complexes of palladium(ii) with dioxolenes. <i>Polyhedron</i> , 1996, 15, 3361-3369.	2.2	51
18	Synthesis, spectral and electrochemical properties of 1-alkyl-2-(naphthyl-2-azo)imidazole complexes of platinum(II) and the reaction with pyridine bases. Single-crystal X-ray structure of dichloro-[1-ethyl-2-(naphthyl-2-azo)imidazole]platinum(II). <i>Polyhedron</i> , 2000, 19, 1263-1270.	2.2	47

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19	Effect of metal oxidation state on FRET: a Cu(I) silent but selectively Cu(II) responsive fluorescent reporter and its bioimaging applications. Dalton Transactions, 2015, 44, 1761-1768.	3.3	46
20	Highly Sensitive Ratiometric Chemosensor and Biomarker for Cyanide Ions in the Aqueous Medium. ACS Omega, 2018, 3, 10145-10153.	3.5	46
21	A chelating resin containing bis(2-benzimidazolylmethyl)amine: synthesis and metal-ion uptake properties suitable for analytical application. Talanta, 2004, 63, 485-490.	5.5	45
22	A naphthalene-pyrazol conjugate: Al(III) ion-selective blue shifting chemosensor applicable as biomarker in aqueous solution. Analyst, The, 2014, 139, 4828-4835.	3.5	44
23	Effects of inorganic nutrient levels on the biodegradation of benzene, toluene, and xylene (BTX) by Pseudomonas spp. in a laboratory porous media sand aquifer model. Bioresource Technology, 2008, 99, 7807-7815.	9.6	43
24	Development of a rhodamine-benzimidazol hybrid derivative as a novel FRET based chemosensor selective for trace level water. RSC Advances, 2014, 4, 21608-21611.	3.6	43
25	A new turn-on benzimidazole-based greenish-yellow fluorescent sensor for Zn <sup>2+</sup> ions at biological pH applicable in cell imaging. New Journal of Chemistry, 2017, 41, 7583-7590.	2.8	43
26	Copper(II) complexes of new tetradentate NSNO pyridylthioazophenol ligands: synthesis, spectral characterization and crystal structure. Polyhedron, 2004, 23, 2457-2464.	2.2	42
27	A water soluble FRET-based ratiometric chemosensor for Hg(II) and S <sup>2-</sup> applicable in living cell staining. RSC Advances, 2014, 4, 14919-14927.	3.6	41
28	Effect of substituents on FRET in rhodamine based chemosensors selective for Hg <sup>2+</sup> ions. Analyst, The, 2014, 139, 1628.	3.5	39
29	A turn-on green channel Zn <sup>2+</sup> sensor and the resulting zinc(II) complex as a red channel HPO <sub>4</sub> <sup>2-</sup> ion sensor: a new approach. RSC Advances, 2017, 7, 25528-25534.	3.6	37
30	A naphthalimide-based fluorescence turn-on chemosensor for highly selective detection of carbon monoxide: imaging applications in living cells. New Journal of Chemistry, 2018, 42, 13497-13502.	2.8	37
31	Cell permeable fluorescent receptor for detection of H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> in aqueous solvent. Organic and Biomolecular Chemistry, 2013, 11, 1537.	2.8	33
32	Copper(II) complexes of tetradentate N2S2 donor sets: Synthesis, crystal structure characterization and reactivity. Polyhedron, 2009, 28, 1-6.	2.2	30
33	Nickel(II) complexes with 2-(pyridin-3-ylmethylsulfanyl)phenylamine and halide/pseudohalides: Synthesis, structural characterisation, interaction with CT-DNA and bovine serum albumin, and antibacterial activity. Polyhedron, 2013, 51, 156-163.	2.2	30
34	A water soluble copper(II) complex as a HSO <sub>4</sub> <sup>-</sup> ion selective turn-on fluorescent sensor applicable in living cell imaging. RSC Advances, 2015, 5, 50532-50539.	3.6	30
35	A Nuclear-Localized Naphthalimide-Based Fluorescent Light-Up Probe for Selective Detection of Carbon Monoxide in Living Cells. Chemical Research in Toxicology, 2020, 33, 651-656.	3.3	30
36	Syntheses and molecular structures of three Cu(II) complexes with tetradentate imine-phenols. Solid State Sciences, 1999, 1, 119-131.	3.2	29

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37	A FRET-based "off-on"™ molecular switch: an effective design strategy for the selective detection of nanomolar Al <sup>3+</sup> ions in aqueous media. RSC Advances, 2014, 4, 21471-21478.	3.6	29
38	Recent Advances in Fluorescence Light-Up Endogenous and Exogenous Carbon Monoxide Detection in Biology. Chemistry - an Asian Journal, 2020, 15, 3162-3179.	3.3	28
39	Palladium(II) and platinum(II) complexes of deprotonated N,N'-bis(2-pyridinecarboxamide)-1,2-benzene: Synthesis, structural characterization and binding interactions with DNA and BSA. Inorganica Chimica Acta, 2013, 406, 176-183.	2.4	27
40	A cell permeable Cr <sup>3+</sup> selective chemosensor and its application in living cell imaging. RSC Advances, 2013, 3, 19978.	3.6	26
41	Copper(II) complex of in situ formed 5-(2-pyridyl)-1,3,4-triazole through C-S bond cleavage in 1,2-bis(2-pyridylmethylthio)-bis-ethylsulphide: Synthesis, structural characterization and DNA binding study. Journal of Molecular Structure, 2010, 980, 117-123.	3.6	24
42	Synthesis, characterization, crystal structure, and DNA-binding of ruthenium(II) complexes of heterocyclic nitrogen ligands resulting from a benzimidazole-based quinazoline derivative. Journal of Coordination Chemistry, 2012, 65, 1289-1302.	2.2	24
43	Cyclopalladation of thio-substituted benzylideneanilines and their spectral characterization. Polyhedron, 1996, 15, 2439-2444.	2.2	23
44	A Lysosome-Targetable Fluorescence Sensor for Ultrasensitive Detection of Hg <sup>2+</sup> in Living Cells and Real Samples. Chemical Research in Toxicology, 2019, 32, 1144-1150.	3.3	22
45	An oxamato bridged trinuclear copper(II) complex: Synthesis, crystal structure, reactivity, DNA binding study and magnetic properties. Inorganica Chimica Acta, 2011, 376, 129-135.	2.4	21
46	Regioselective mercuration of 2-(methylthio)-N-(benzylidene)anilines. Polyhedron, 1994, 13, 2689-2693.	2.2	20
47	Crystal Structure of 2-Aminobenzoic Acid.. Analytical Sciences, 2001, 17, 905-906.	1.6	20
48	Ruthenium(II) complexes of pyrrol-azo ligands: cytotoxicity, interaction with calf thymus DNA and bovine serum albumin. Journal of Coordination Chemistry, 2013, 66, 2747-2764.	2.2	20
49	A new rhodamine based "turn-on"™ Cu <sup>2+</sup> ion selective chemosensor in aqueous system applicable in bioimaging. Journal of Chemical Sciences, 2017, 129, 1423-1430.	1.5	20
50	A new half-condensed Schiff base platform: structures and sensing of Zn <sup>2+</sup> and H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> ions in an aqueous medium. Dalton Transactions, 2020, 49, 8991-9001.	3.3	20
51	Nickel(II) complexes of tetradentate NSNO pyridylthioazophenol ligands: Synthesis, characterization and crystal structure. Polyhedron, 2008, 27, 2447-2451.	2.2	19
52	Separation of the <sup>90</sup> Sr- <sup>90</sup> Y pair with cerium(IV) iodotungstate cation exchanger. Applied Radiation and Isotopes, 2009, 67, 530-534.	1.5	19
53	Cyclometalated rhodium(III) complexes bearing dithiocarbamate derivative: Synthesis, characterization, interaction with DNA and biological study. Polyhedron, 2014, 69, 127-134.	2.2	19
54	Substituent effect on fluorescence signaling of the cell permeable HSO <sub>4</sub> <sup>-</sup> receptors through single point to ratiometric response in green solvent. RSC Advances, 2014, 4, 27665-27673.	3.6	19

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55	Development of a highly selective cell-permeable ratiometric fluorescent chemosensor for oxorhenium(V) ion. <i>Analyst</i> , 2011, 136, 4839.	3.5	18
56	Synthesis, characterization, interactions with DNA and bovine serum albumin (BSA), and antibacterial activity of cyclometalated iridium(III) complexes containing dithiocarbamate derivatives. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2643-2660.	2.2	18
57	Synthesis and structural characterization of a Re(V) complex with a 2N1S donor and the radiochemical behavior of its Tc analog. <i>Applied Radiation and Isotopes</i> , 2000, 52, 217-223.	1.5	17
58	New oxorhenium(V) complexes with 2N2S donor sets and radiochemical behavior of their technetium analogs. <i>Applied Radiation and Isotopes</i> , 2005, 62, 729-735.	1.5	17
59	Copper(II) complexes with tetradentate imine-phenols: synthesis, characterization and molecular structures. <i>Journal of Coordination Chemistry</i> , 2005, 58, 975-984.	2.2	17
60	Copper(II) complexes of tridentate SNO ligands: synthesis, characterization and crystal structure. <i>Journal of Coordination Chemistry</i> , 2009, 62, 817-824.	2.2	17
61	Development of a cell permeable ratiometric chemosensor and biomarker for hydrogen sulphate ions in aqueous solution. <i>RSC Advances</i> , 2014, 4, 15356-15362.	3.6	17
62	Nanostructured zirconium phosphate as ion exchanger: Synthesis, size dependent property and analytical application in radiochemical separation. <i>Applied Radiation and Isotopes</i> , 2014, 85, 34-38.	1.5	17
63	Selective and sensitive turn-on chemosensor for Al(III) ions applicable in living organisms: nanomolar detection in aqueous medium. <i>RSC Advances</i> , 2015, 5, 72508-72514.	3.6	17
64	Coordination behavior of 3,4-bis(2-pyridylmethylthio)toluene with copper(II) ions: Synthesis, structural characterization and reactivity, and DNA binding study of the dinuclear copper(II) complex. <i>Polyhedron</i> , 2010, 29, 3157-3163.	2.2	16
65	Aggregation Induced Emission Enhancement (AIEE) of Naphthalene-Appended Organic Moiety: An Al <sup>3+</sup> Ion Selective Turn-On Fluorescent Probe. <i>ChemistrySelect</i> , 2020, 5, 147-155.	1.5	16
66	Separation of <sup>137</sup> mBa from <sup>137</sup> Cs using new ion exchanger Na <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> (H <sub>3</sub> O)[Al(OH) <sub>6</sub> Mo <sub>6</sub> O <sub>18</sub> ]. <i>Radiochimica Acta</i> , 2007, 95, 297-301.	1.2	15
67	A novel aluminum vanadate ion exchanger and its use for separation of <sup>137</sup> mBa, <sup>115</sup> mIn and <sup>110</sup> mAg from <sup>137</sup> Cs, <sup>115</sup> Cd and <sup>198</sup> Au, respectively. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1764-1768.	1.5	15
68	5-Nitro-1,10-phenanthroline bis(N,N-dimethylformamide- $\hat{\text{O}}$ )-bis(perchlorato) copper(II): synthesis, structural characterization, and DNA-binding study. <i>Transition Metal Chemistry</i> , 2011, 36, 631-636.	1.4	15
69	Development of a cell permeable red-shifted CHEF-based chemosensor for Al <sup>3+</sup> ion by controlling PET. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 11-16.	3.9	15
70	Understanding the Difference in Photophysical Properties of Cyclometalated Iridium(III) and Rhodium(III) Complexes by Detailed Time-Dependent Density Functional Theory and Frontier Molecular Orbital Supports. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11632-11642.	3.1	15
71	Understanding a Thermoemissive ESIPT-Based Solid-State Off-On Switch as a Dual-Channel Chemosensor in Solid and Solution Phases: Detailed Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18181-18193.	3.1	15
72	A quinazoline derivative as quick-response red-shifted reporter for nanomolar Al <sup>3+</sup> and applicable to living cell staining. <i>RSC Advances</i> , 2014, 4, 64014-64020.	3.6	14

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73	Synthesis and crystal structure characterization of iron(II), cobalt(II) and nickel(II) complexes with 1,3-bis(2-pyridylmethylthio)propane. <i>Polyhedron</i> , 2009, 28, 1261-1264.	2.2	13
74	2-Benzoylpyridine and copper(II) ion in basic medium: Hydroxide nucleophilic addition stabilized by metal complexation, reactivity, crystal structure, DNA binding study and magnetic behavior. <i>Inorganica Chimica Acta</i> , 2011, 367, 1-8.	2.4	13
75	Sodium titaniumsilicate as ion exchanger: synthesis, characterization and application in separation of <sup>90</sup> Y from <sup>90</sup> Sr. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 294, 31-35.	1.5	12
76	Bilirubin Quantification in Human Blood Serum by Deoxygenation Reaction Switch-Triggered Fluorescent Probe. <i>ACS Applied Bio Materials</i> , 2020, 3, 4074-4080.	4.6	12
77	Synthesis and spectroscopic characterization of binuclear thioazomethine palladacycles. <i>Polyhedron</i> , 1997, 16, 1291-1295.	2.2	11
78	Quinolinephosphomolybdate as ion exchanger: synthesis, characterization, and application in separation of <sup>90</sup> Y from <sup>90</sup> Sr. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 55-59.	1.5	11
79	Iron(III) complexes of tetradentate pyridylthioazophenol ligands: synthesis, spectroscopy, reactivity and structure. <i>Journal of Coordination Chemistry</i> , 2005, 58, 985-992.	2.2	10
80	Naphthalimide-Based Turn-On Fluoresensor for Aqueous Sulfide Ions for Staining in Living Cells. <i>ChemistrySelect</i> , 2017, 2, 9977-9983.	1.5	10
81	C–S bond cleavage in pyridylmethylthioether systems promoted by oxorhenium(V) ion. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1112-1115.	3.9	9
82	Coordination behavior of symmetrical hexadentate O <sub>2</sub> N <sub>2</sub> S <sub>2</sub> -donor Schiff bases toward zinc (II): synthesis, characterization, and crystal structure. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1913-1920.	2.2	9
83	Zinc(II) complexes of 1,3-bis(2-pyridylmethylthio)propane: Anion dependency, crystal structure and DNA binding study. <i>Polyhedron</i> , 2011, 30, 2783-2789.	2.2	9
84	A bio-attuned ratiometric hydrogen sulfate ion selective receptor in aqueous solvent: structural proof of the H-bonded adduct. <i>RSC Advances</i> , 2015, 5, 4468-4474.	3.6	9
85	Dosimetric Chromogenic Probe for Selective Detection of Sulfide via Sol–Gel Methodology. <i>ACS Omega</i> , 2018, 3, 17319-17325.	3.5	9
86	Rational Design of a New AIE-Coupled ESIPT-Based Multi-Chromic State Depended Organo-Luminophore With Turn-Off Emissive Response to Zn(II) in Aqueous and Solid State**. <i>ChemistrySelect</i> , 2022, 7, .	1.5	9
87	Ruthenium (III) complexes of tetradentate NSNO pyridylthioazophenolates: Synthesis, spectral studies, crystal structure and redox properties. <i>Polyhedron</i> , 2006, 25, 1939-1945.	2.2	8
88	Synthesis, crystal structure and reactivity of copper(II) complexes of tetradentate N <sub>2</sub> S <sub>2</sub> donor ligands. <i>Journal of Molecular Structure</i> , 2009, 933, 126-131.	3.6	8
89	Coordination behavior of pyridylmethylthioether system with cupric chloride and cupric bromide: CS bond cleavage and crystal structures. <i>Journal of Molecular Structure</i> , 2010, 980, 94-100.	3.6	8
90	Syntheses, crystal structures, and DNA-binding of some nickel(II) complexes of 1,3-bis(2-pyridylmethylthio)propane and pseudohalides. <i>Journal of Coordination Chemistry</i> , 2012, 65, 4096-4107.	2.2	8

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91	Zinc(II) complexes of carboxamide derivatives: Crystal structures and interaction with calf thymus DNA. <i>Journal of Chemical Sciences</i> , 2015, 127, 1747-1755.	1.5	8
92	Development of a selective reaction-based turn-on fluorosensor and biomarker for hypochlorite ions in aqueous media. <i>Analytical Methods</i> , 2019, 11, 2415-2421.	2.7	8
93	Zinc(II)-pyridylthioazophenol system: synthesis, characterization and crystal structure. <i>Journal of Coordination Chemistry</i> , 2007, 60, 627-634.	2.2	7
94	Trichloro-mono- $\lambda^2$ -diketonato oxorhenium(V) complexes: synthesis, characterization and crystal structure. <i>Journal of Coordination Chemistry</i> , 2008, 61, 1689-1695.	2.2	7
95	Palladium(II) complexes of dithiocarbamic acids: synthesis, characterization, crystal structure and DNA binding study. <i>Transition Metal Chemistry</i> , 2012, 37, 155-161.	1.4	7
96	One-dimensional Ti $\text{O}$ based nanotubes as ion exchanger: synthesis, characterization and application in radiochemical separation of carrier-free $^{137}\text{mBa}$ from $^{137}\text{Cs}$ . <i>Radiochimica Acta</i> , 2013, 101, 33-36.	1.2	7
97	Oxorhenium(V) complexes with tetradentate NSNO pyridylthioazophenolates: syntheses, spectral and electrochemical studies. <i>Transition Metal Chemistry</i> , 2006, 31, 740-744.	1.4	6
98	Radioanalytical separation and size-dependent ion exchange property of micelle-directed titanium phosphate nanocomposites. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1565-1570.	1.5	6
99	Al $^{3+}$ -Ion-Triggered Conformational Isomerization of a Rhodamine B Derivative Evidenced by a Fluorescence Signal - A Crystallographic Proof. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1383-1389.	2.0	6
100	A Highly Selective Fluorescence Turn-On Probe for the Sensing and Bioimaging of Hypochlorite Anion in Aqueous Media. <i>ChemistrySelect</i> , 2018, 3, 6707-6713.	1.5	6
101	Study of Photoinduced Interaction between Calf Thymus-DNA and Bovine Serum Albumin Protein with H $_{2}$ O $_{2}$ Nanotubes. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2012, 03, 462-468.	1.7	6
102	A deoxygenation-switch-based red-emitting fluorogenic light-up probe for the detection of highly toxic free bilirubin in human blood serum. <i>Analytical Methods</i> , 2021, 13, 5651-5659.	2.7	6
103	A dysprosium-based metal-organic framework: Synthesis, characterization, crystal structure and interaction with calf thymus-DNA and bovine serum albumin. <i>Journal of Chemical Sciences</i> , 2014, 126, 1115-1124.	1.5	5
104	Nickel(II) complexes of N $_{2}$ S $_{2}$ donor set ligand and halide/pseudohalides: Synthesis, crystal structure, DNA and bovine/human serum albumin interaction. <i>Journal of Chemical Sciences</i> , 2015, 127, 1883-1893.	1.5	5
105	A linear trinuclear complex of copper(II) with N,N'-bis(2-hydroxy-5-methoxybenzylidene)-1,3-diiminopropane. <i>Journal of Coordination Chemistry</i> , 2006, 59, 2015-2021.	2.2	4
106	A new chelating resin containing 2-aminothiophenol: Synthesis characterization and determination of mercury in waste water using $^{203}\text{Hg}$ radiotracer. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 274, 237-243.	1.5	4
107	Zirconium-titanium-phosphate nanoparticles: Triton X-100 based size modification, characterization and application in radiochemical separation. <i>Radiochimica Acta</i> , 2014, 102, 363-368.	1.2	4
108	Synthesis, crystal structure, redox behavior and DNA-binding properties of a series of copper(II) complexes with two new carboxamide derivatives. <i>Journal of Coordination Chemistry</i> , 2015, 68, 4038-4054.	2.2	4

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109	Synthesis, characterization, redox behavior, DNA and protein binding and antibacterial activity studies of ruthenium(II) complexes of bidentate schiff bases. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2017, 36, 520-542.	1.1	4
110	Osmium arylazoimidazoles: Synthesis, spectral characterisation and redox properties of the complexes. <i>Journal of Chemical Sciences</i> , 1999, 111, 687-696.	1.5	4
111	Synthesis and Spectroscopic Studies of 2,2-Dipyridylamine Complexes of La(III), Ce(III), Pr(III), Th(IV), UO <sub>2</sub> (VI) and a Peroxo Derivative of UO <sub>2</sub> (VI). <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1997, 27, 997-1007.	1.8	3
112	Binary and ternary oxorhenium(V) complexes: synthesis, characterization, and crystal structure. <i>Journal of Coordination Chemistry</i> , 2010, 63, 819-827.	2.2	3
113	Preparation, characterization, and evaluation of an inorganic ion exchanger in separation of carrier-free <sup>137m</sup> Ba from <sup>137</sup> Cs. <i>Radiochemistry</i> , 2011, 53, 534-538.	0.7	3
114	A selenium-bonded oxorhenium(V) complex: solvothermal synthesis, structural characterization, and electrochemical behavior. <i>Transition Metal Chemistry</i> , 2011, 36, 663-667.	1.4	3
115	Efficient and Convenient Methods for Synthesis of Some Phthalazine Derivatives and Their Evaluation of Cytotoxicity. <i>Synthetic Communications</i> , 2014, 44, 847-857.	2.1	3
116	Preparation, structural characterization, and evaluation of ion-exchange behavior of a new polyoxometalate, [Me <sub>2</sub> NH <sub>2</sub> ] <sub>3</sub> [Mo <sub>12</sub> O <sub>40</sub> S] in separation of carrier-free <sup>90</sup> Y from <sup>90</sup> Sr. <i>Applied Radiation and Isotopes</i> , 2016, 118, 297-301.	1.5	3
117	Synthesis, characterization, crystal structure and DNA-binding study of four cadmium(II) pyridine-carboxamide complexes. <i>Journal of Chemical Sciences</i> , 2017, 129, 45-55.	1.5	3
118	Determination of gold by substoichiometric extraction with N-thioacetyl benzamide. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 290, 175-178.	1.5	2
119	Determination of iron(III) by displacement substoichiometric extraction with labeled silver- <sup>109</sup> Ag-dipyridyl. <i>Applied Radiation and Isotopes</i> , 2012, 70, 69-71.	1.5	2
120	Encapsulation and Stabilization of a Donor-Acceptor Stenhouse Adduct Isomer in Water Inside the Blue Box: A Combined Experimental and Theoretical Approach. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7222-7230.	2.6	2
121	A phenolato-bridged dinuclear Ni(II) complex for selective fluorescent sensing of oxalate in aqueous medium. <i>Inorganica Chimica Acta</i> , 2021, 525, 120493.	2.4	2
122	Substoichiometric extraction of chromium(III) with 2-picolinic acid into n-butanol. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 1525-1529.	1.5	1
123	Study on size dependent ion exchange property of nanosilica as green inorganic exchanger in radiochemical separation. <i>Applied Radiation and Isotopes</i> , 2019, 146, 18-23.	1.5	1
124	A new phenolato-bridged dinuclear manganese(II) complex as a turn-on fluorosensor for Zn <sup>2+</sup> ions via Mn <sup>2+</sup> ion replacement. <i>Polyhedron</i> , 2021, 203, 115226.	2.2	1
125	Crystal Structure of 3,3,10,10-Tetramethyl-4,9-diazadodecane-2,11-dione-dioxime Hydrochloride.. <i>Analytical Sciences</i> , 1999, 15, 309-310.	1.6	0
126	Determination of copper(II) by displacement substoichiometric extraction with radiolabeled cobalt(II). <i>Radiochemistry</i> , 2013, 55, 220-223.	0.7	0



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127	Cyclopalladation of schiff bases of thiosubstituted benzylideneanilines. Journal of Chemical Sciences, 1996, 108, 274-274.	1.5	0