

Nandhakumar Raju

List of Publications by Year in descending order

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126
papers

3,480
citations

126907

33
h-index

175258

52
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130
all docs

130
docs citations

130
times ranked

3456
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphdiyne-ZnO Nanohybrids as an Advanced Photocatalytic Material. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22057-22065.	3.1	189
2	Rapid and highly selective relay recognition of Cu(II) and sulfide ions by a simple benzimidazole-based fluorescent sensor in water. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 188-194.	7.8	156
3	Single sensor for two metal ions: Colorimetric recognition of Cu ²⁺ and fluorescent recognition of Hg ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1168-1172.	3.9	138
4	Graphdiyne nanostructures as a new electrode material for electrochemical supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1672-1678.	7.1	124
5	Ratiometric Fluorescent Chemosensor for Silver Ion at Physiological pH. <i>Inorganic Chemistry</i> , 2011, 50, 2240-2245.	4.0	119
6	Zn ²⁺ -induced conformational changes in a binaphthyl-pyrene derivative monitored by using fluorescence and CD spectroscopy. <i>Chemical Communications</i> , 2013, 49, 7228.	4.1	83
7	Specific fluorescent sensing of aluminium using naphthalene benzimidazole derivative in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 119-123.	3.9	76
8	Synthesis, characterization and crystal structure of cobalt(III) complexes containing 2-acetylpyridine thiosemicarbazones: DNA/protein interaction, radical scavenging and cytotoxic activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 130, 205-216.	3.8	75
9	Novel binaphthyl-containing bi-nuclear boron complex with low concentration quenching effect for efficient organic light-emitting diodes. <i>Chemical Communications</i> , 2010, 46, 6512.	4.1	64
10	A simple chalcone-based fluorescent chemosensor for the detection and removal of Fe ³⁺ ions using a membrane separation method. <i>Analytical Methods</i> , 2014, 6, 2883-2888.	2.7	64
11	A new benzimidazole-based quinazoline derivative for highly selective sequential recognition of Cu ²⁺ and CN ⁻ . <i>Tetrahedron Letters</i> , 2013, 54, 536-540.	1.4	59
12	A naphthalene derived Schiff base as a selective fluorescent probe for Fe ²⁺ . <i>Inorganica Chimica Acta</i> , 2016, 439, 1-7.	2.4	59
13	A simple chalcone based ratiometric chemosensor for sensitive and selective detection of Nickel ion and its imaging in live cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 306-317.	7.8	59
14	BINO-Based Chiral Receptors as Fluorescent and Colorimetric Chemosensors for Amino Acids. <i>Journal of Organic Chemistry</i> , 2013, 78, 11571-11576.	3.2	58
15	Enantioselective Liquid-Liquid Extractions of Underivatized General Amino Acids with a Chiral Ketone Extractant. <i>Journal of the American Chemical Society</i> , 2013, 135, 2653-2658.	13.7	57
16	Experimental and Theoretical Studies on a Simple S-Bridged Dimeric Schiff Base: Selective Chromo-Fluorogenic Chemosensor for Nanomolar Detection of Fe ²⁺ and Al ³⁺ Ions and Its Varied Applications. <i>ACS Omega</i> , 2020, 5, 3055-3072.	3.5	57
17	Pyrene pyridine-conjugate as Ag selective fluorescent chemosensor. <i>RSC Advances</i> , 2014, 4, 35284-35289.	3.6	49
18	Pyrene based chalcone as a reversible fluorescent chemosensor for Al ³⁺ ion and its biological applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 359, 172-182.	3.9	46

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19	Distorted tetrahedral bis-(N,S) bidentate Schiff base complexes of Ni(II), Cu(II) and Zn(II): Synthesis, characterization and biological studies. <i>Polyhedron</i> , 2016, 110, 203-220.	2.2	45
20	Development of fluorescent lead II sensor based on an anthracene derived chalcone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 23-28.	3.9	44
21	A photochemical route to synthesize cryptosanguinolentine. <i>Tetrahedron Letters</i> , 2002, 43, 3327-3328.	1.4	43
22	Synthesis, antimicrobial activities and cytogenetic studies of newer diazepino quinoline derivatives via Vilsmeier-Haack reaction. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 1128-1136.	5.5	43
23	Unprecedented formation of organo-ruthenium(II) complexes containing 2-hydroxy-1-naphthaldehyde S-benzylthiocarbamate: synthesis, X-ray crystal structure, DFT study and their biological activities in vitro. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 620-639.	6.0	43
24	Dual Functional Fluorescent Chemosensor for Discriminative Detection of Ni ²⁺ and Al ³⁺ Ions and Its Imaging in Living Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16532-16543.	6.7	43
25	Ruthenium(III) S-methylisothiosemicarbazone Schiff base complexes bearing PPh ₃ /AsPh ₃ coligand: Synthesis, structure and biological investigations, including antioxidant, DNA and protein interaction, and in vitro anticancer activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 63-74.	3.8	41
26	Nickel(II) and copper(II) complexes constructed with N ₂ S ₂ hybrid benzamidine-thiosemicarbazone ligand: synthesis, X-ray crystal structure, DFT, kinetic-catalytic and in vitro biological applications. <i>RSC Advances</i> , 2015, 5, 103321-103342.	3.6	41
27	Quinoline benzimidazole-conjugate for the highly selective detection of Zn(II) by dual colorimetric and fluorescent turn-on responses. <i>RSC Advances</i> , 2015, 5, 44463-44469.	3.6	40
28	Naphthalene based fluorescent chemosensor for Fe ²⁺ ion detection in microbes and real water samples. <i>Journal of Luminescence</i> , 2017, 188, 217-222.	3.1	40
29	An efficient new dual fluorescent pyrene based chemosensor for the detection of bismuth (III) and aluminium (III) ions and its applications in bio-imaging. <i>Talanta</i> , 2019, 198, 249-256.	5.5	40
30	New pyrazolo-quinoline scaffold as a reversible colorimetric fluorescent probe for selective detection of Zn ²⁺ ions and its imaging in live cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 341, 136-145.	3.9	39
31	Reactive Extraction of Enantiomers of 1,2-Amino Alcohols via Stereoselective Thermodynamic and Kinetic Processes. <i>Journal of Organic Chemistry</i> , 2008, 73, 5996-5999.	3.2	37
32	Dissymmetric thiosemicarbazone ligands containing substituted aldehyde arm and their ruthenium(II) carbonyl complexes with PPh ₃ /AsPh ₃ as ancillary ligands: Synthesis, structural characterization, DNA/BSA interaction and in vitro anticancer activity. <i>Journal of Organometallic Chemistry</i> , 2014, 768, 163-177.	1.8	37
33	A simple Chalcone-based ratiometric chemosensor for silver ion. <i>Luminescence</i> , 2016, 31, 722-727.	2.9	37
34	Quinoline based reversible fluorescent probe for Pb ²⁺ ; applications in milk, bioimaging and INHIBIT molecular logic gate. <i>Food Chemistry</i> , 2021, 348, 129098.	8.2	37
35	Multi-analyte, ratiometric and relay recognition of a 2,5-diphenyl-1,3,4-oxadiazole-based fluorescent sensor through modulating ESIPT. <i>RSC Advances</i> , 2015, 5, 10505-10511.	3.6	36
36	Imidazoquinoline bearing thiol probe as fluorescent electrochemical sensing of Ag and relay recognition of Proline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 333, 130-141.	3.9	35

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37	Ratiometric fluorescent chemosensor for silver ion and its bacterial cell imaging. <i>Optical Materials</i> , 2018, 82, 123-129.	3.6	35
38	Pyrene-phenylglycinol linked reversible ratiometric fluorescent chemosensor for the detection of aluminium in nanomolar range and its bio-imaging. <i>Analytica Chimica Acta</i> , 2019, 1090, 114-124.	5.4	34
39	A highly selective and sensitive naphthalene-based chemodosimeter for Hg ²⁺ ions. <i>Journal of Luminescence</i> , 2014, 145, 733-736.	3.1	33
40	Binol based α -fluorescent chemosensor for mercury ion. <i>Journal of Luminescence</i> , 2015, 162, 8-13.	3.1	33
41	Symmetric fluorescent probes for the selective recognition of Ag ⁺ ion via restricted C N isomerization and on-site visual sensing applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 337, 6-18.	3.9	33
42	Stereoconversion of Amino Acids and Peptides in Uryl Pendant Binol Schiff Bases. <i>Chemistry - A European Journal</i> , 2008, 14, 9935-9942.	3.3	32
43	Synthesis, crystal structure, biomolecular interactions and anticancer properties of Ni(II), Cu(II) and Zn(II) complexes bearing S-allyldithiocarbazate. <i>Inorganica Chimica Acta</i> , 2017, 455, 283-297.	2.4	32
44	Design, synthesis, structure and biological evaluation of new palladium(II) hydrazone complexes. <i>Inorganica Chimica Acta</i> , 2016, 453, 562-573.	2.4	30
45	New Palladium(II) complexes with ONO chelated hydrazone ligand: Synthesis, characterization, DNA/BSA interaction, antioxidant and cytotoxicity. <i>Inorganica Chimica Acta</i> , 2020, 512, 119868.	2.4	30
46	A dual analyte fluorescent chemosensor based on a furan-pyrene conjugate for Al ³⁺ & HSO ₃ ⁻ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 62-69.	3.9	28
47	Small molecule α -fluorescent probe for silver ion and application to bioimaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 360, 6-12.	3.9	28
48	An unprecedented rhodamine-based fluorescent and colorimetric chemosensor for Fe ³⁺ in aqueous media. <i>Monatshefte für Chemie</i> , 2010, 141, 615-620.	1.8	27
49	Synthesis, structure and in vitro biological activity of pyridoxal N(4)-substituted thiosemicarbazone cobalt(III) complexes. <i>Inorganica Chimica Acta</i> , 2014, 421, 80-90.	2.4	27
50	Synthesis, crystal structure and biological evaluation of Ni(II) complexes containing 4-chromone-N(4)-substituted thiosemicarbazone ligands. <i>Polyhedron</i> , 2016, 107, 57-67.	2.2	27
51	Binol diaryl dipyrene fluorescent probe: Dual detection of silver and carbonate ions and its bioimaging applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 401, 112737.	3.9	26
52	A selective Fluorescence Chemosensor: Pyrene motif Schiff base derivative for detection of Cu ²⁺ ions in living cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 424-432.	3.9	25
53	Facile Synthesis of the Uryl Pendant Binaphthol Aldehyde and Its Selective Fluorescent Recognition of Tryptophan. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3367-3371.	1.9	25
54	Recognition of Fe ³⁺ by a new azine-based fluorescent α -chemosensor and its binding mode analysis using DFT. <i>Journal of Molecular Structure</i> , 2020, 1208, 127834.	3.6	24

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55	Bis-anthracene derived bis-pyridine: selective fluorescence sensing of Al ³⁺ ions. <i>New Journal of Chemistry</i> , 2019, 43, 2519-2528.	2.8	23
56	Adsorption of nickel ions from electroplating effluent by graphene oxide and reduced graphene oxide. <i>Environmental Research</i> , 2021, 199, 111322.	7.5	23
57	Recent approaches of 2HN derived fluorophores on recognition of Al ³⁺ ions: A review for future outlook. <i>Microchemical Journal</i> , 2021, 169, 106590.	4.5	23
58	Rhodanine-based fluorometric sequential monitoring of silver (I) and iodide ions: Experiment, DFT calculation and multifarious applications. <i>Journal of Hazardous Materials</i> , 2021, 419, 126449.	12.4	23
59	Effects of ring substituents on enantioselective recognition of amino alcohols and acids in uryl-based binol receptors. <i>Tetrahedron</i> , 2008, 64, 7704-7708.	1.9	20
60	Pb ²⁺ ion induced self assembly of anthracene based chalcone with a fluorescence turn on process in aqueous media. <i>Journal of Analytical Chemistry</i> , 2015, 70, 943-948.	0.9	20
61	A New Rhodamine B Derivative As a Colorimetric Chemosensor for Recognition of Copper(II) Ion. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3212-3216.	1.9	20
62	Synthesis, structure, DNA/BSA interaction and in vitro cytotoxic activity of nickel(II) complexes derived from S-allyldithiocarbamate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 141, 176-185.	3.8	19
63	Novel Quinoline-Based Thiazole Derivatives for Selective Detection of Fe ³⁺ , Fe ²⁺ , and Cu ²⁺ Ions. <i>ACS Omega</i> , 2020, 5, 27245-27253.	3.5	19
64	A photo-induced electron transfer based reversible fluorescent chemosensor for specific detection of mercury (II) ions and its applications in logic gate, keypad lock and real samples. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102911.	4.9	19
65	Quinoline based probes: Large blue shifted fluorescent and electrochemical sensing of cerium ion and its biological applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112103.	3.9	18
66	Chirality conversion and enantioselective extraction of amino acids by imidazolium-based binol-aldehyde. <i>Tetrahedron Letters</i> , 2008, 49, 6914-6916.	1.4	17
67	Enantioselective recognition of 1,2-aminoalcohols by the binol receptor dangled with pyrrole-2-carboxamide and its analogues. <i>Tetrahedron</i> , 2009, 65, 666-671.	1.9	17
68	Visible light sensitive hexagonal boron nitride (hBN) decorated Fe ₂ O ₃ photocatalyst for the degradation of methylene blue. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4766-4783.	2.2	17
69	New palladium(II) hydrazone complexes: Synthesis, structure and biological evaluation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 1-13.	3.8	16
70	Functionalized graphene oxide materials for the fluorometric sensing of various analytes: a mini review. <i>Materials Advances</i> , 2021, 2, 6197-6212.	5.4	16
71	Investigation of DNA/BSA binding and cytotoxic properties of new Co(II), Ni(II) and Cu(II) hydrazone complexes. <i>Inorganica Chimica Acta</i> , 2021, 526, 120536.	2.4	16
72	A photoswitchable "turn-on" fluorescent chemosensor: Quinoline-naphthalene duo for nanomolar detection of aluminum and bisulfite ions and its multifarious applications. <i>Food Chemistry</i> , 2022, 371, 131130.	8.2	16

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73	Fluorenone based fluorescent probe for selective "turn-on" detection of pyrophosphate and alanine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 465-471.	3.9	15
74	Experimental and theoretical studies of imidazole based chemosensor for Palladium and their biological applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 385, 112092.	3.9	15
75	A New Rhodamine B-coumarin Fluorochrome for Colorimetric Recognition of Cu ²⁺ and Fluorescent Recognition of Fe ³⁺ in Aqueous Media. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3400-3404.	1.9	15
76	Salen type additives as corrosion mitigator for Ni-W alloys: Detailed electronic/atomic-scale computational illustration. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26600.	2.0	15
77	A single carbazole based chemosensor for multiple targets: Sensing of Fe ³⁺ and arginine by fluorimetry and its applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113693.	3.9	15
78	A lead selective dimeric quinoline based fluorescent chemosensor and its applications in milk and honey samples, smartphone and bio-imaging. <i>Food Chemistry</i> , 2022, 395, 133617.	8.2	15
79	A chiral ketone for enantioselective recognition of 1,2-amino alcohols. <i>Tetrahedron Letters</i> , 2007, 48, 6582-6585.	1.4	14
80	Highly Enantioselective Extraction of Underivatized Amino Acids by the Uryl Pendant Hydroxyphenyl-Binol Ketone. <i>Chemistry - A European Journal</i> , 2014, 20, 2895-2900.	3.3	14
81	Graphene oxide resorcinol hybrid material as fluorescent chemosensor for detection of cerium ion. <i>Materials Letters</i> , 2018, 227, 154-157.	2.6	14
82	Triphenyl-imidazole based reversible color/fluorimetric sensing and electrochemical removal of Cu ²⁺ ions using capacitive deionization and molecular logic gates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119018.	3.9	14
83	Performance of 2-Hydroxy-1-Naphthaldehyde-2-Amino Thiazole as a Highly Selective Turn-on Fluorescent Chemosensor for Al(III) Ions Detection and Biological Applications. <i>Journal of Fluorescence</i> , 2021, 31, 1041-1053.	2.5	14
84	A Simple Perceptive Diphenyl-imidazole Based Dipodal Schiff Base Chemosensor for Zn ²⁺ and PPI ions and Its Live Cell Imaging Applications. <i>ChemistrySelect</i> , 2018, 3, 11809-11815.	1.5	13
85	Biological evaluation of organometallic palladium(II) complexes containing 4-hydroxybenzoic acid (3-ethoxy-2-hydroxybenzylidene)hydrazide: Synthesis, structure, DNA/protein binding, antioxidant activity and cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3599.	3.5	11
86	Antibacterial activity of <i>Mappia foetida</i> leaves and stem. <i>Fito-terap</i> , 2002, 73, 734-736.	2.2	10
87	Organoruthenium(II) compounds with pyridyl benzoxazole/benzthiazole moiety: studies on DNA/protein binding and enzyme mimetic activities. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1645-1666.	2.2	10
88	Photocatalytic performance of Cu ₃ SnS ₄ (CTS)/reduced graphene oxide (rGO) composite prepared via ball milling and solvothermal approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21408-21418.	2.2	9
89	Influence of Positional Isomeric Spacers of Naphthalene Derivatives on Ni-W Alloy Electrodeposition: Electrochemical and Microstructural Properties. <i>ACS Omega</i> , 2020, 5, 3376-3388.	3.5	9
90	Role of Förster Resonance Energy Transfer in Graphene-Based Nanomaterials for Sensing. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6844.	2.5	9

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91	A Synthesis of Orixiarine. <i>Heterocycles</i> , 2002, 57, 357.	0.7	8
92	Solvent-assisted formation of ruthenium(II)/copper(I) complexes containing thiourea derivatives: Synthesis, crystal structure, density functional theory, enzyme mimetics and <i>in vitro</i> biological perspectives. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3652.	3.5	7
93	TiO ₂ Decorated Graphene as a Fluorescent Chemosensor for the Detection of Silver Ions. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5189-5194.	0.9	7
94	Sol-gel Synthesis of Ce ₄ Sr _{1-x} Fe ₅ Zn _x O ₁₄ [0 ≤ x ≤ 0.45] Superparamagnetic Oxide Systems and Its Magnetic, Dielectric, and Drug Delivery Properties. <i>ACS Omega</i> , 2018, 3, 16509-16518.	3.5	6
95	GO/NiO nanocomposite: Chemosensor for L-Leucine and a potential antibacterial agent. <i>Materials Today: Proceedings</i> , 2021, 47, 814-818.	1.8	6
96	Highly selective, reversible and ICT-based fluorescent chemosensor for bismuth ions: Applications in bacterial imaging, logic gate and food sample analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 422, 113558.	3.9	6
97	Synthesis of Novel H8-Binaphthol-based Chiral Receptors and Their Applications in Enantioselective Recognition of 1,2-Amino alcohols and Chirality Conversion of L-Amino acids to D-Amino acids. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 1289-1294.	1.9	6
98	The Chirality Conversion Reagent for Amino Acids Based on Salicyl Aldehyde. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 1715-1718.	1.9	6
99	Highly Selective Fluorescent Recognition of Pyrophosphate in Water by a New Chemosensing Ensemble. <i>Journal of Fluorescence</i> , 2011, 21, 701-705.	2.5	5
100	Application of Imidazole Derivative for Fluorescent Detection and Determination of Cu(II) in Aqueous and Biological Media. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1565-1574.	0.9	5
101	Synthesis, antibacterial, anti-oxidant and molecular docking studies of imidazoquinolines. <i>Heliyon</i> , 2021, 7, e07484.	3.2	5
102	Fabrication of graphene oxide-p-phenylenediamine nanocomposites as fluorescent chemosensors for detection of metal ions. <i>Environmental Research</i> , 2022, 204, 111914.	7.5	5
103	A graphene-organic composite as a fluorescent chemosensor for Ag ⁺ . <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2016, , 542-546.	0.4	5
104	STRUCTURAL ELUCIDATION AND ¹ H-NMR, ¹³ C-NMR, AND MASS SPECTROSCOPIC STUDY OF NOVEL 4-CHLORO-3-FORMYL-2(VINYL-1-OL) QUINOLINES AND 3-FORMYL-4-HYDROXY-2-METHYL QUINOLINES. <i>Spectroscopy Letters</i> , 2002, 35, 741-750.	1.0	4
105	Discrimination of the Chirality of α -Amino Acids in Zn ^{II} Complexes of DPA-Appended Binaphthyl Imine. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4959-4964.	2.4	4
106	Studies on the structural, optical and photocatalytic properties of CuO/MgO nanocomposite prepared by facile chemical co-precipitation. <i>Materials Today: Proceedings</i> , 2021, 47, 837-842.	1.8	4
107	Experimental research into the mechanical behaviour of banana fibre reinforced PP composite material. <i>Materials Today: Proceedings</i> , 2020, 33, 3097-3101.	1.8	4
108	Chirality Conversion of Dipeptides in the Schiff Bases of Binol Aldehydes with Multiple Hydrogen Bond Donors. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 409-414.	1.9	4

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109	Biosorption of Nickel from Metal Finishing Effluent Using Lichen <i>Parmotrema tinctorum</i> Biomass. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	4
110	Enantioselective Recognition of Amino Alcohols and Amino Acids by Chiral Binol-Based Aldehydes with Conjugated Rings at the Hydrogen Bonding Donor Sites. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 1263-1267.	1.9	3
111	Synthesis, characterization, theoretical investigations and fluorescent sensing behavior of oligomeric azine-based Fe ³⁺ Chemosensors. <i>High Performance Polymers</i> , 2022, 34, 321-336.	1.8	3
112	A Novel Dimeric BINOL for Enantioselective Recognition of 1,2- α -Amino Alcohols. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1157-1160.	4.9	2
113	Toward a new avenue in ruthenium-sulphur chemistry of binuclear μ -sulphido bridged (μ -S) ₂ complexes having Ru ₂ S ₂ core: Targeted synthesis, crystal structure, biomolecules interaction and their in vitro anticancer activities. <i>Inorganica Chimica Acta</i> , 2016, 453, 596-617.	2.4	2
114	Benzene Linked Dipodal Naphthalene: Chemosensor with Colorimetric Enhancement and Fluorimetric Quenching for Fe ³⁺ Ion and its Application in Live Cell Imaging. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1554-1564.	0.9	2
115	Stereoselective Recognition of Amino Alcohols and Amino Acids by Carbonylurea- and Carbonyguanidinium-based Imine Receptors. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2938-2942.	1.9	2
116	Enantioselective Decarboxylation of 2-Methyl-2-aminomalonate Catalyzed by (S)-2-Hydroxy-2'-(3-phenylurlyl-benzyl)-1,1'-binaphthyl-3-carboxaldehyde. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2449-2450.	1.9	2
117	Graphene oxide-rhodamine nanocomposite for picomolar detection of chromium(III) by fluorimetry and its biofilm inhibition. <i>Mikrochimica Acta</i> , 2021, 188, 414.	5.0	2
118	Recognition of Mn ²⁺ Ion by Azine Based Fluorescent Chemo Sensor and Its Theoretical Investigation. <i>Polymer Science - Series A</i> , 2021, 63, 712-726.	1.0	2
119	Surface roughness prediction on drilled holes on strenx steel using AWJM process. <i>Materials Today: Proceedings</i> , 2021, 45, 2419-2421.	1.8	1
120	Ratiometric Sensing and Discrimination of Rutile and Anatase TiO ₂ Nanoparticles by a Quinoline-Benzimidazole Conjugate. <i>Asian Journal of Chemistry</i> , 2021, 33, 1631-1637.	0.3	1
121	Binol Based Chirality Conversion Reagents for Underivatized Amino Acids. <i>International Journal of Organic Chemistry</i> , 2014, 04, 40-47.	0.7	1
122	Exploration of GO-CuO nanocomposite for its antibacterial properties and potential application as a chemosensor in the sensing of L-Leucine. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 1099-1108.	1.6	1
123	Catechol Oxidase, Phosphatase-Like Activity, DNA/BSA Binding Studies of RuII Complexes of S-Allyldithiocarbamate: Synthesis and Spectral Studies. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0
124	Reduced Graphene Oxide-Resorcinol Nanocomposite: A Chemosensor for the Detection of Cerium Ions. <i>Asian Journal of Chemistry</i> , 2021, 33, 2321-2326.	0.3	0
125	Anion Triggered Supramolecular Topological Change from a Coordination Polymer to a Dumbbell. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 1455-1456.	1.9	0
126	Study of the structural and electrical properties of the PVA-NH ₄ SCN membrane for its application in electric double layer capacitors. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , 2021, , 79-86.	0.4	0