

Adarsh Nayarassery Narayanan

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66

papers

1,583

citations

25

h-index

38

g-index

76

ext. papers

1,722

ext. citations

4.1

avg, IF

4.96

L-index

#	Paper	IF	Citations
66	Coordination polymers: what has been achieved in going from innocent 4,4'-bipyridine to bis-pyridyl ligands having a non-innocent backbone?. <i>Chemical Society Reviews</i> , 2012 , 41, 3039-60	58.5	186
65	Is a Crystal Engineering Approach Useful in Designing Metallogels? A Case Study. <i>Crystal Growth and Design</i> , 2010 , 10, 4976-4986	3.5	75
64	A New Series of ZnII Coordination Polymer Based Metallogels Derived from Bis-pyridyl-bis-amide Ligands: A Crystal Engineering Approach. <i>Crystal Growth and Design</i> , 2011 , 11, 328-336	3.5	69
63	A novel, air-stable phosphine ligand for the palladium-catalyzed Suzuki-Miyaura cross-coupling reaction of chloro arenes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 5320-2	4.2	67
62	Metal-organic frameworks derived from bis-pyridyl-bis-amide ligands : Effect of positional isomerism of the ligands, hydrogen bonding backbone, counter anions on the supramolecular structures and selective crystallization of the sulfate anion. <i>CrystEngComm</i> , 2009 , 11, 796	3.3	67
61	Zn(II) metal-organic frameworks (MOFs) derived from a bis-pyridyl-bis-urea ligand: effects of crystallization solvents on the structures and anion binding properties. <i>CrystEngComm</i> , 2008 , 10, 1565	3.3	58
60	Composites of N,N'-bis-(pyridyl) urea-dicarboxylic acid as new hydrogelators- crystal engineering approach. <i>Tetrahedron</i> , 2007 , 63, 7386-7396	2.4	50
59	A Borromean Weave Coordination Polymer Sustained by Urea-Sulfate Hydrogen Bonding and Its Selective Anion Separation Properties. <i>Crystal Growth and Design</i> , 2010 , 10, 483-487	3.5	48
58	Supramolecular synthons in noncovalent synthesis of a class of gelators derived from simple organic salts: instant gelation of organic fluids at room temperature via in situ synthesis of the gelators. <i>Journal of Organic Chemistry</i> , 2009 , 74, 7111-21	4.2	47
57	An unprecedented all helical 3D network and a rarely observed non-interpenetrated octahedral network in homochiral Cu(II) MOFs: effect of steric bulk and π -stacking interactions of the ligand backbone. <i>CrystEngComm</i> , 2009 , 11, 746	3.3	42
56	A crystal engineering rationale in designing a CdII coordination polymer based metallogel derived from a C3 symmetric tris-amide-tris-carboxylate ligand. <i>Soft Matter</i> , 2012 , 8, 7623	3.6	40
55	Secondary Building Unit (SBU) Controlled Formation of a Catalytically Active Metal-Organic Polyhedron (MOP) Derived from a Flexible Tripodal Ligand. <i>Crystal Growth and Design</i> , 2014 , 14, 1331-1337	3.5	39
54	Folding and unfolding movements in a [2]pseudorotaxane. <i>Journal of Organic Chemistry</i> , 2011 , 76, 138-44.2	4.2	39
53	Combinatorial library of primaryalkylammonium dicarboxylate gelators: a supramolecular synthon approach. <i>Langmuir</i> , 2009 , 25, 8742-50	4	39
52	Pyrazole-tethered phosphine ligands for Pd(0): useful catalysts for Stille, Kumada and Hiyama cross-coupling reactions. <i>Tetrahedron</i> , 2010 , 66, 5451-5458	2.4	36
51	Single-walled metal-organic nanotube built from a simple synthon. <i>Chemistry - A European Journal</i> , 2015 , 21, 4300-7	4.8	34
50	Crystal engineering of Fe(II) spin crossover coordination polymers derived from triazole or tetrazole ligands. <i>Chimia</i> , 2013 , 67, 411-8	1.3	33

49	Coordination polymers built from 1,4-bis(imidazol-1-ylmethyl)benzene: from crystalline to amorphous. <i>Dalton Transactions</i> , 2016 , 45, 11233-55	4.3	31
48	Novel Co(II) and Cu(II) coordination complexes constructed from pyrazole-acetamide: Effect of hydrogen bonding on the self assembly process and antioxidant activity. <i>Journal of Inorganic Biochemistry</i> , 2019 , 191, 21-28	4.2	30
47	Solvent-Driven Structural Diversities in ZnII Coordination Polymers and Complexes Derived from Bis-pyridyl Ligands Equipped with a Hydrogen-Bond-Capable Urea Backbone. <i>Crystal Growth and Design</i> , 2012 , 12, 6061-6067	3.5	29
46	Ligating topology and counter anion controlled formation of discrete metallo-macrocyclic and 2D corrugated sheet in coordination compounds derived from a bis-pyridyl-bis-amide ligand and Cd (II)salts. <i>Inorganic Chemistry Communication</i> , 2008 , 11, 636-642	3.1	29
45	CuII Coordination Polymers Capable of Gelation and Selective SO ₄ ²⁻ Separation. <i>Crystal Growth and Design</i> , 2012 , 12, 4135-4143	3.5	28
44	Copper(II) and nickel(II) complexes of beta-aminoketoxime ligand: syntheses, crystal structures, magnetism, and nickel(II) templated coupling of oxime with nitrile. <i>Inorganic Chemistry</i> , 2010 , 49, 541-515 ¹	5.1	28
43	Metalla-macro-tricyclic cryptands: anion encapsulation and selective separation of sulfate via in situ crystallization. <i>New Journal of Chemistry</i> , 2010 , 34, 2458	3.6	27
42	Co(II) and Zn(II) pyrazolyl-benzimidazole complexes with remarkable antibacterial activity. <i>New Journal of Chemistry</i> , 2020 , 44, 2210-2221	3.6	26
41	A novel environment-friendly hybrid material based on a modified silica gel with a bispyrazole derivative for the removal of ZnII, PbII, CdII and CuII traces from aqueous solutions. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1821-1831	6.8	25
40	Regioselective 1,3-Dipolar Cycloaddition Reaction of Azides with Alkoxy Alkynyl Fischer Carbene Complexes. <i>Organometallics</i> , 2010 , 29, 6619-6622	3.8	25
39	Selective Separation of the Sulfate Anion by In Situ Crystallization of CdII Coordination Compounds Derived from Bis(pyridyl) Ligands Equipped with a Urea/Amide Hydrogen-Bonding Backbone. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3770-3779	2.3	24
38	Microporous Nanotubular Self-Assembly of a Molecular Chair. <i>Crystal Growth and Design</i> , 2009 , 9, 2979-2983	3.3	23
37	Synthesis of mono and doubly alkynyl substituted ferrocene and its crystal engineering using C ₆₀ supramolecular synthon. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 1059-1064	2.3	22
36	Coordination polymers derived from a bis-pyridyl-bis-amide ligand: Supramolecular structural diversities and anion binding properties. <i>Inorganica Chimica Acta</i> , 2010 , 363, 1367-1376	2.7	22
35	A hexa-quinoline based C-symmetric chemosensor for dual sensing of zinc(ii) and PPI in an aqueous medium via chelation induced "OFF-ON-OFF" emission. <i>Dalton Transactions</i> , 2018 , 47, 6819-6830	4.3	21
34	Spin-Crossover in an Exfoliated 2D Coordination Polymer and Its Implementation in Thermochromic Films. <i>ACS Applied Nano Materials</i> , 2018 , 1, 2662-2668	5.6	20
33	Synthesis and crystal structures of mononuclear CuII/CoII coordination complexes from pyrazole-dicarboxylate acid derivatives. <i>Polyhedron</i> , 2015 , 85, 383-388	2.7	18
32	Crystal engineering of a series of complexes and coordination polymers based on pyrazole-carboxylic acid ligands. <i>New Journal of Chemistry</i> , 2017 , 41, 8232-8241	3.6	18

31	Sequestering Hydrated Fluoride in a Three-Dimensional Non-Interpenetrated Octahedral Coordination Polymer via a Single-Crystal-to-Single-Crystal Fashion. <i>Crystal Growth and Design</i> , 2012 , 12, 3369-3373	3.5	17
30	Polyamide-Polyamine Cryptand as Dicarboxylate Receptor: Dianion Binding Studies in the Solid State, in Solution, and in the Gas Phase. <i>Journal of Organic Chemistry</i> , 2017 , 82, 10007-10014	4.2	14
29	Exploring the Effect of Morphologies of Fe(III) Metal-Organic Framework MIL-88A(Fe) on the Photocatalytic Degradation of Rhodamine B. <i>ChemistrySelect</i> , 2020 , 5, 7534-7542	1.8	13
28	A New Series of CuII Coordination Polymers Derived from Bis-pyridyl-bis-urea Ligands and Various Dicarboxylates and Their Role in Methanolysis of Epoxide Ring-Opening Catalysis. <i>Crystal Growth and Design</i> , 2012 , 12, 5546-5554	3.5	13
27	Solvent induced supramolecular polymorphism in Cu(II) coordination complex built from 1,2,4-triazolo[1,5-a]pyrimidine: Crystal structures and anti-oxidant activity. <i>Journal of Inorganic Biochemistry</i> , 2020 , 208, 111092	4.2	12
26	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans-cyclohexane into the Voids. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 585-591	2.3	12
25	Wittig-selectivity in mixed ketones: exploring 1,3-interaction and enolization. <i>Tetrahedron</i> , 2010 , 66, 164-171	2.4	10
24	Ag/AgCl@MIL-88A(Fe) heterojunction ternary composites: towards the photocatalytic degradation of organic pollutants. <i>Dalton Transactions</i> , 2021 , 50, 2891-2902	4.3	10
23	Syntheses, structures and properties of two pentacoordinated μ_5 bridged dinuclear metal(II)-dicyanamide (Mdca; M=Cu and Cd) compounds containing a tailored tetradentate bifunctional polyamine. <i>Journal of Molecular Structure</i> , 2011 , 1004, 138-145	3.4	7
22	Shape-Memory Polymer Nanocomposites of Poly(ϵ -caprolactone) with the Polystyrene-polybutadiene-polystyrene-tri- Copolymer Encapsulated with Metal Oxides. <i>ACS Omega</i> , 2021 , 6, 6261-6273	3.9	7
21	Green Synthesis of a Metal-Free 0D/2D Heterojunction: A Cost-Effective Approach. <i>ChemistrySelect</i> , 2019 , 4, 11541-11547	1.8	6
20	Chiral gels derived from secondary ammonium salts of (1R,3S)-(+)-camphoric acid. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 848-58	2.5	6
19	Structural diversity of silver (I) azine complexes IEffect of substituents and counter anions. <i>Journal of Molecular Structure</i> , 2011 , 1000, 29-34	3.4	6
18	MetalOrganic Framework (MOF)Derived Metal Oxides for Supercapacitors 2017 , 165-192		5
17	⁵⁷ Fe Mössbauer spectroscopy study of a 2D spin transition coordination polymer built from a tris-1R-tetrazole ligand. <i>Hyperfine Interactions</i> , 2017 , 238, 1	0.8	5
16	Ligand and solvent effects in the formation and self-assembly of a metallosupramolecular cage. <i>New Journal of Chemistry</i> , 2017 , 41, 1179-1185	3.6	4
15	Novel 1D coordination polymers built from acyclic cryptate containing bis(1H-1,2,4-triazole) ligands and featuring coordinated counteranions. <i>New Journal of Chemistry</i> , 2018 , 42, 11324-11333	3.6	4
14	Supramolecular homochiral helicity and zigzag hydrogen bonded chains in 1,2,4-triazole derived aminoester and aminoacid. <i>New Journal of Chemistry</i> , 2016 , 40, 9025-9029	3.6	3

13	3,3'-{Ethane-1,2-diylbis[carbonylbis(azanediy)]}dipyridinium tetra-chloridoplatinate(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m270		2
12	catena-Poly[[[trihydro-sulfatozinc(II)]- μ ,3'-bis-(3-pyrid-yl)-1,1'-(m-phenyl-ene)diurea] methanol solvate monohydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m413-4		2
11	Exploring μ -Triazole-Thiourea-Based Ligands for the Self-Assembly of Photoluminescent Hg(II) Coordination Compounds. <i>Crystal Growth and Design</i> , 2021 , 21, 3562-3581	3.5	2
10	Nano-metal oxide fillers in thermo-responsive polycaprolactone-based polymer nanocomposites smart materials: Impact on thermo-mechanical, and shape memory properties. <i>Journal of Vinyl and Additive Technology</i> ,	2	2
9	Porous Coordination Polymers. <i>Polymers and Polymeric Composites</i> , 2019 , 1-44	0.6	2
8	New Bis-Pyrazole-Bis-Acetate Based Coordination Complexes: Influence of Counter-Anions and Metal Ions on the Supramolecular Structures. <i>Sustainability</i> , 2021 , 13, 288	3.6	1
7	Exploring The Effect of Precursors of Polymeric Carbon Nitride Nanosheets on their Photo and Electrocatalytic Applications. <i>ChemistrySelect</i> , 2020 , 5, 12679-12689	1.8	1
6	Coordination complexes constructed from pyrazole-acetamide and pyrazole-quinoxaline: effect of hydrogen bonding on the self-assembly process and antibacterial activity.. <i>RSC Advances</i> , 2022 , 12, 5324-5339	3.7	1
5	Fabrication of ternary composites with polymeric carbon nitride/MoS ₂ /reduced graphene oxide ternary hybrid aerogel as high-performance electrode materials for supercapacitors. <i>New Journal of Chemistry</i> , 2021 , 45, 20660-20671	3.6	0
4	Light-Triggered Metal Coordination Dynamics in Photoswitchable Dithienylethene-Ferrocene System. <i>Inorganic Chemistry</i> , 2021 , 60, 6086-6098	5.1	0
3	Carbon Nitride Quantum Dot-Embedded Poly(vinyl alcohol) Transparent Thin Films for Greenish-Yellow Light-Emitting Diodes. <i>ACS Omega</i> , 2021 , 6, 22840-22847	3.9	0
2	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans-cyclohexane into the Voids. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 543-543	2.3	
1	Porous Coordination Polymers. <i>Polymers and Polymeric Composites</i> , 2019 , 181-223	0.6	