Adarsh Nayarassery Narayanan

List of Publications by Year
in descending order

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69	1,849	218381	276539
papers	citations	26 h-index	41 g-index

76	76	76	2146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coordination polymers: what has been achieved in going from innocent 4,4â€²-bipyridine to bis-pyridyl ligands having a non-innocent backbone?. Chemical Society Reviews, 2012, 41, 3039.	18.7	204
2	Is a Crystal Engineering Approach Useful in Designing Metallogels? A Case Study. Crystal Growth and Design, 2010, 10, 4976-4986.	1.4	79
3	A New Series of Zn^{II} Coordination Polymer Based Metallogels Derived from Bis-pyridyl-bis-amide Ligands: A Crystal Engineering Approach. Crystal Growth and Design, 2011, 11, 328-336.	1.4	77
4	A Novel, Air-Stable Phosphine Ligand for the Palladium-Catalyzed Suzukiâ^'Miyaura Cross-Coupling Reaction of Chloro Arenes. Journal of Organic Chemistry, 2010, 75, 5320-5322.	1.7	76
5	Metalâ€“organic frameworks derived from bis-pyridyl-bis-amide ligandsâ€‰:â€‰ Effect of positional isomerism of the ligands, hydrogen bonding backbone, counter anions on the supramolecular structures and selective crystallization of the sulfate anion. CrystEngComm, 2009, 11, 796.	1.3	71
6	Zn(II) metalâ€“organic frameworks (MOFs) derived from a bis-pyridyl-bis-urea ligand: effects of crystallization solvents on the structures and anion binding properties. CrystEngComm, 2008, 10, 1565.	1.3	61
7	Composites of N,Nâ€²-bis-(pyridyl) urea-dicarboxylic acid as new hydrogelatorsâ€”a crystal engineering approach. Tetrahedron, 2007, 63, 7386-7396.	1.0	54
8	Co(<scp>ii</scp>) and Zn(<scp>ii</scp>) pyrazolyl-benzimidazole complexes with remarkable antibacterial activity. New Journal of Chemistry, 2020, 44, 2210-2221.	1.4	54
9	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. Journal of Organic Chemistry, 2009, 74, 7111-7121.	1.7	53
10	A Borromean Weave Coordination Polymer Sustained by Ureaâ^'Sulfate Hydrogen Bonding and Its Selective Anion Separation Properties. Crystal Growth and Design, 2010, 10, 483-487.	1.4	51
11	Combinatorial Library of Primaryalkylammonium Dicarboxylate Gelators: A Supramolecular Synthon Approach. Langmuir, 2009, 25, 8742-8750.	1.6	44
12	A crystal engineering rationale in designing a CdII coordination polymer based metallogel derived from a C3 symmetric tris-amide-tris-carboxylate ligand. Soft Matter, 2012, 8, 7623.	1.2	44
13	Secondary Building Unit (SBU) Controlled Formation of a Catalytically Active Metalâ€“Organic Polyhedron (MOP) Derived from a Flexible Tripodal Ligand. Crystal Growth and Design, 2014, 14, 1331-1337.	1.4	44
14	An unprecedented all helical 3D network and a rarely observed non-interpenetrated octahedral network in homochiral Cu(II) MOFs: effect of steric bulk and Ï€â€“Ï€ stacking interactions of the ligand backbone. CrystEngComm, 2009, 11, 746.	1.3	43
15	Pyrazole-tethered phosphine ligands for Pd(0): useful catalysts for Stille, Kumada and Hiyama cross-coupling reactions. Tetrahedron, 2010, 66, 5451-5458.	1.0	40
16	Folding and Unfolding Movements in a [2]Pseudorotaxane. Journal of Organic Chemistry, 2011, 76, 138-144.	1.7	39
17	Novel Co(II) and Cu(II) coordination complexes constructed from pyrazole-acetamide: Effect of hydrogen bonding on the self assembly process and antioxidant activity. Journal of Inorganic Biochemistry, 2019, 191, 21-28.	1.5	39
18	Singleâ€Walled Metalâ€“Organic Nanotube Built from a Simple Synthon. Chemistry - A European Journal, 2015, 21, 4300-4307.	1.7	37

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19	Crystal Engineering of FeII Spin Crossover Coordination Polymers Derived from Triazole or Tetrazole Ligands. Chimia, 2022, 67, 411.	0.3	36
20	A novel environment-friendly hybrid material based on a modified silica gel with a bispyrazole derivative for the removal of Zn^{II}, Pb^{II}, Cd^{II}and Cu^{II}traces from aqueous solutions. Inorganic Chemistry Frontiers, 2017, 4, 1821-1831.	3.0	35
21	Coordination polymers built from 1,4-bis(imidazol-1-ylmethyl)benzene: from crystalline to amorphous. Dalton Transactions, 2016, 45, 11233-11255.	1.6	33
22	Solvent-Driven Structural Diversities in Zn^{II} Coordination Polymers and Complexes Derived from Bis-pyridyl Ligands Equipped with a Hydrogen-Bond-Capable Urea Backbone. Crystal Growth and Design, 2012, 12, 6061-6067.	1.4	31
23	Ligating topology and counter anion controlled formation of discrete metallo-macrocycle and 2D corrugated sheet in coordination compounds derived from a bis-pyridyl-bis-amide ligand and Cd (II)salts. Inorganic Chemistry Communication, 2008, 11, 636-642.	1.8	29
24	Copper(II) and Nickel(II) Complexes of Î²-Aminoketoxime Ligand: Syntheses, Crystal Structures, Magnetism, and Nickel(II) Templated Coupling of Oxime with Nitrile. Inorganic Chemistry, 2010, 49, 541-551.	1.9	29
25	Metalla-macro-tricyclic cryptands: anion encapsulation and selective separation of sulfate via in situ crystallization. New Journal of Chemistry, 2010, 34, 2458.	1.4	29
26	CuII Coordination Polymers Capable of Gelation and Selective SO4â€“2 Separation. Crystal Growth and Design, 2012, 12, 4135-4143.	1.4	29
27	A hexa-quinoline basedC₃-symmetric chemosensor for dual sensing of zinc(<scp>ii</scp>) and PPi in an aqueous mediumviachelation induced â€œOFFâ€“ONâ€“OFFâ€•emission. Dalton Transactions, 2018, 47, 6819-6830.	1.6	28
28	Exploring the Effect of Morphologies of Fe(III) Metalâ€Organic Framework MILâ€88A(Fe) on the Photocatalytic Degradation of Rhodamine B. ChemistrySelect, 2020, 5, 7534-7542.	0.7	28
29	Regioselective 1,3-Dipolar Cycloaddition Reaction of Azides with Alkoxy Alkynyl Fischer Carbene Complexes. Organometallics, 2010, 29, 6619-6622.	1.1	27
30	Ag/AgCl@MIL-88A(Fe) heterojunction ternary composites: towards the photocatalytic degradation of organic pollutants. Dalton Transactions, 2021, 50, 2891-2902.	1.6	27
31	Crystal engineering of a series of complexes and coordination polymers based on pyrazole-carboxylic acid ligands. New Journal of Chemistry, 2017, 41, 8232-8241.	1.4	26
32	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. European Journal of Inorganic Chemistry, 2010, 2010, 3770-3779.	1.0	25
33	Microporous Nanotubular Self-Assembly of a Molecular Chair. Crystal Growth and Design, 2009, 9, 2979-2983.	1.4	24
34	Coordination polymers derived from a bis-pyridyl-bis-amide ligand: Supramolecular structural diversities and anion binding properties. Inorganica Chimica Acta, 2010, 363, 1367-1376.	1.2	23
35	Synthesis of mono and doubly alkynyl substituted ferrocene and its crystal engineering using â€“Câ€“HÂ·Â·Â·O supramolecular synthon. Journal of Organometallic Chemistry, 2010, 695, 1059-1064.	0.8	22
36	Spin-Crossover in an Exfoliated 2D Coordination Polymer and Its Implementation in Thermochromic Films. ACS Applied Nano Materials, 2018, 1, 2662-2668.	2.4	22

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37	Synthesis and crystal structures of mononuclear CuII/CoII coordination complexes from pyrazole-dicarboxylate acid derivatives. Polyhedron, 2015, 85, 383-388.	1.0	19
38	Shape-Memory Polymer Nanocomposites of Poly(Îµ-caprolactone) with the Polystyrene-block-polybutadiene-block-polystyrene-tri-block Copolymer Encapsulated with Metal Oxides. ACS Omega, 2021, 6, 6261-6273.	1.6	19
39	Sequestering Hydrated Fluoride in a Three-Dimensional Non-Interpenetrated Octahedral Coordination Polymer via a Single-Crystal-to-Single-Crystal Fashion. Crystal Growth and Design, 2012, 12, 3369-3373.	1.4	17
40	Polyamideâ€“Polyamine Cryptand as Dicarboxylate Receptor: Dianion Binding Studies in the Solid State, in Solution, and in the Gas Phase. Journal of Organic Chemistry, 2017, 82, 10007-10014.	1.7	16
41	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. Journal of Inorganic Biochemistry, 2020, 208, 111092.	1.5	15
42	A New Series of Cu^{II} Coordination Polymers Derived from Bis-pyridyl-bis-urea Ligands and Various Dicarboxylates and Their Role in Methanolysis of Epoxide Ring-Opening Catalysis. Crystal Growth and Design, 2012, 12, 5546-5554.	1.4	14
43	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans -cyclohexane into the Voids. European Journal of Inorganic Chemistry, 2019, 2019, 585-591.	1.0	14
44	Wittig-selectivity in mixed ketones: exploring 1,3-interaction and enolization. Tetrahedron, 2010, 66, 164-171.	1.0	11
45	Metalâ€“Organic Framework (MOF)â€“Derived Metal Oxides for Supercapacitors. , 2017, , 165-192.		10
46	Coordination complexes constructed from pyrazoleâ€“acetamide and pyrazoleâ€“quinoxaline: effect of hydrogen bonding on the self-assembly process and antibacterial activity. RSC Advances, 2022, 12, 5324-5339.	1.7	10
47	Nanoâ€metal oxide fillers in thermoâ€responsive polycaprolactoneâ€based polymer nanocomposites smart materials: Impact on thermoâ€mechanical, and shape memory properties. Journal of Vinyl and Additive Technology, 2021, 27, 768-780.	1.8	9
48	Syntheses, structures and properties of two pentacoordinated Î¼1,5 bridged dinuclear metal(II)-dicyanamide (Mdca; M=Cu and Cd) compounds containing a tailored tetradentate bifunctional polyamine. Journal of Molecular Structure, 2011, 1004, 138-145.	1.8	7
49	Green Synthesis of a Metalâ€Free 0D/2D Heterojunction: A Costâ€Effective Approach. ChemistrySelect, 2019, 4, 11541-11547.	0.7	7
50	Chiral gels derived from secondary ammonium salts of (1R,3S)-(+)-camphoric acid. Beilstein Journal of Organic Chemistry, 2010, 6, 848-858.	1.3	6
51	Structural diversity of silver (I) azine complexes â€“ Effect of substituents and counter anions. Journal of Molecular Structure, 2011, 1000, 29-34.	1.8	6
52	57Fe MÃ¶ssbauer spectroscopy study of a 2D spin transition coordination polymer built from a tris-1R-tetrazole ligand. Hyperfine Interactions, 2017, 238, 1.	0.2	6
53	Novel 1D coordination polymers built from acyclic cryptate containing bis(1H-1,2,4-triazole) ligands and featuring coordinated counteranions. New Journal of Chemistry, 2018, 42, 11324-11333.	1.4	6
54	New Bis-Pyrazole-Bis-Acetate Based Coordination Complexes: Influence of Counter-Anions and Metal Ions on the Supramolecular Structures. Sustainability, 2021, 13, 288.	1.6	6

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55	Ligand and solvent effects in the formation and self-assembly of a metallosupramolecular cage. New Journal of Chemistry, 2017, 41, 1179-1185.	1.4	5
56	Exploring â€œTriazole-Thioureaâ€•Based Ligands for the Self-Assembly of Photoluminescent Hg(II) Coordination Compounds. Crystal Growth and Design, 2021, 21, 3562-3581.	1.4	5
57	A novel quinoline-based NNN-pincer Cu(<scp>ii</scp>) complex as a superior catalyst for oxidative esterification of allylic C(sp³)â€“H bonds. Organic and Biomolecular Chemistry, 2022, 20, 3540-3549.	1.5	4
58	Strategic design of a 2,6-disubstituted pyridine-based probe having hard-soft centers: responsive divergence from one core. New Journal of Chemistry, 2022, 46, 12103-12119.	1.4	4
59	Supramolecular homochiral helicity and zigzag hydrogen bonded chains in 1,2,4-triazole derived aminoester and aminoacid. New Journal of Chemistry, 2016, 40, 9025-9029.	1.4	3
60	Carbon Nitride Quantum Dot-Embedded Poly(vinyl alcohol) Transparent Thin Films for Greenish-Yellow Light-Emitting Diodes. ACS Omega, 2021, 6, 22840-22847.	1.6	3
61	3,3â€²-{Ethane-1,2-diylbis[carbonylbis(azanediyl)]}dipyridinium tetrachloridoplatinate(II). Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m270-m270.	0.2	2
62	Porous Coordination Polymers. Polymers and Polymeric Composites, 2019, , 1-44.	0.6	2
63	Exploring The Effect of Precursors of Polymeric Carbon Nitride Nanosheets on their Photo and Electrocatalytic Applications. ChemistrySelect, 2020, 5, 12679-12689.	0.7	2
64	Light-Triggered Metal Coordination Dynamics in Photoswitchable Dithienyletheneâ€“Ferrocene System. Inorganic Chemistry, 2021, 60, 6086-6098.	1.9	2
65	catena-Poly[[[triaquasulfatozinc(II)]-Î¼-3,3â€²-bis(3-pyridyl)-1,1â€²-(m-phenylene)diurea] methanol solvate monohydrate]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m413-m414.	0.2	2
66	A 2D/1D heterojunction nanocomposite built from polymeric carbon nitride and MIL-88A(Fe) derived Î±-Fe₂O₃ for enhanced photocatalytic degradation of rhodamine B. New Journal of Chemistry, 0, , .	1.4	2
67	Porous Coordination Polymers. Polymers and Polymeric Composites, 2019, , 181-223.	0.6	1
68	Fabrication of ternary composites with polymeric carbon nitride/MoS2/reduced graphene oxide ternary hybrid aerogel as high-performance electrode materials for supercapacitors. New Journal of Chemistry, 2021, 45, 20660-20671.	1.4	1
69	Oneâ€Dimensional Looped Chain and Twoâ€Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4â€Triazole)â€transâ€cyclohexane into the Voids. European Journal of Inorganic Chemistry, 2019, 2019, 543-543.	1.0	0