

# Rakesh Puttreddy

## List of Publications by Year in descending order

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88  
papers

2,002  
citations

218677

26  
h-index

289244

40  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homo- and heterometallic chiral dynamic architectures from allyl <sup>+</sup> palladium building blocks. Dalton Transactions, 2022, , .	3.3	1
2	Short X <sup>+</sup> ⋯N Halogen Bonds With Hexamethylenetetraamine as the Acceptor. Frontiers in Chemistry, 2021, 9, 623595.	3.6	7
3	Aggregation versus Biological Activity in Gold(I) Complexes. An Unexplored Concept. Inorganic Chemistry, 2021, 60, 18753-18763.	4.0	7
4	Shedding Light on the Interactions of Hydrocarbon Ester Substituents upon Formation of Dimeric Titanium(IV) Triscatecholates in DMSO Solution. Chemistry - A European Journal, 2020, 26, 1396-1405.	3.3	12
5	Hydrogen and Halogen Bond Mediated Coordination Polymers of Chloro-Substituted Pyrazin-2-Amine Copper(I) Bromide Complexes. Chemistry, 2020, 2, 700-713.	2.2	2
6	<i>N</i> -(2,3,5,6-Tetrafluoropyridyl)sulfoximines: synthesis, X-ray crystallography, and halogen bonding. Organic Chemistry Frontiers, 2020, 7, 3896-3906.	4.5	10
7	Secoiridoids and Iridoids from <i>Morinda asteroscepa</i> . Journal of Natural Products, 2020, 83, 2641-2646.	3.0	7
8	Water Soluble Host-Guest Chemistry Involving Aromatic N-Oxides and Sulfonateresorcinarene. Symmetry, 2020, 12, 1751.	2.2	3
9	Heads or Tails? Sandwich-Type Metallo Complexes of Hexakis(2,3-di- <i>O</i> -methyl)- $\beta$ -cyclodextrin. Crystal Growth and Design, 2020, 20, 4193-4199.	3.0	3
10	Effiziente Umwandlung von Licht in chemische Energie: Gerichtete, chirale Photoschalter mit sehr hohen Quantenausbeuten. Angewandte Chemie, 2020, 132, 15193-15198.	2.0	10
11	The C <sup>+</sup> ⋯N <sup>+</sup> Halogen Bonds with Tetraiodoethylene and Aromatic N-Oxides. Crystal Growth and Design, 2020, 20, 5330-5337.	3.0	17
12	Bringing a Molecular Plus One: Synergistic Binding Creates Guest-Mediated Three-Component Complexes. Journal of Organic Chemistry, 2020, 85, 5884-5894.	3.2	9
13	Polymorphic chiral squaraine crystallites in textured thin films. Chirality, 2020, 32, 619-631.	2.6	13
14	Candida antarctica Lipase A-Based Enantioselective Recognition of a Highly Strained 4-Dibenzocyclooctynol (DIBO) Used for PET Imaging. Molecules, 2020, 25, 879.	3.8	4
15	1,2,6-Thiadiazine 1-Oxides: Unsaturated Three-Dimensional S,N-Heterocycles from Sulfonimidamides. Organic Letters, 2020, 22, 2702-2706.	4.6	10
16	Host-Guest Interactions of Sodiumsulfonatomethylenesorcinarene and Quaternary Ammonium Halides: An Experimental-Computational Analysis of the Guest Inclusion Properties. Crystal Growth and Design, 2020, 20, 2367-2376.	3.0	15
17	Efficient Conversion of Light to Chemical Energy: Directional, Chiral Photoswitches with Very High Quantum Yields. Angewandte Chemie - International Edition, 2020, 59, 15081-15086.	13.8	34
18	Subcomponent Self-Assembly of a Cyclic Tetranuclear Fe II Helicate in a Highly Diastereoselective Self-Sorting Manner. Chemistry - A European Journal, 2019, 25, 12294-12297.	3.3	21

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19	A New Benzopyranyl Cadenane Sesquiterpene and Other Antiplasmodial and Cytotoxic Metabolites from <i>Cleistochlamys kirkii</i> . <i>Molecules</i> , 2019, 24, 2746.	3.8	14
20	Thermodynamically driven self-assembly of pyridinearene to hexameric capsules. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6980-6984.	2.8	7
21	Halogen Bonds in 2,5-Dihalopyridine-Copper(I) Halide Coordination Polymers. <i>Materials</i> , 2019, 12, 3305.	2.9	8
22	Strong Nâˆ•Xâˆ•...âˆ•...Oâˆ•N Halogen Bonds: A Comprehensive Study on Nâˆ•Halosaccharin Pyridine N-oxide Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18610-18618.	13.8	54
23	Strong Nâˆ•Xâˆ•...âˆ•...Oâˆ•N Halogen Bonds: A Comprehensive Study on Nâˆ•Halosaccharin Pyridine N-oxide Complexes. <i>Angewandte Chemie</i> , 2019, 131, 18783-18791.	2.0	6
24	Metal-Bound Nitrate Anion as an Acceptor for Halogen Bonds in Mono-Halopyridine-Copper(II) Nitrate Complexes. <i>Crystal Growth and Design</i> , 2019, 19, 3815-3824.	3.0	7
25	Chiral self-sorting behaviour of [2.2]paracyclophane-based bis(pyridine) ligands. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1226-1235.	4.5	29
26	Strong Emission Enhancement in pH-Responsive 2:2 Cucurbit[8]uril Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 3257-3261.	3.3	29
27	Halogen bonds in 2,5-dihalopyridine-copper(II) chloride complexes. <i>CrystEngComm</i> , 2018, 20, 1954-1959.	2.6	20
28	Halogen Bonds in Square Planar 2,5-Dihalopyridine-Copper(II) Bromide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2393-2398.	2.0	17
29	Anion Recognition by a Bioactive Diureidodecalin Anionophore: Solid-State, Solution, and Computational Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 8178-8185.	3.3	10
30	Binding Profiles of Self-Assembled Supramolecular Cages from ESI-MS Based Methodology. <i>Chemistry - A European Journal</i> , 2018, 24, 2936-2943.	3.3	25
31	Host-guest complexes of C-propyl-2-bromoresorcinarene with aromatic N-oxides. <i>Supramolecular Chemistry</i> , 2018, 30, 445-454.	1.2	2
32	N-Heterocyclic Carbene Catalyzed Quadruple Domino Reactions: Asymmetric Synthesis of Cyclopenta[ c ]chromenones. <i>Angewandte Chemie</i> , 2018, 130, 17346-17349.	2.0	5
33	N-Heterocyclic Carbene Catalyzed Quadruple Domino Reactions: Asymmetric Synthesis of Cyclopenta[ c ]chromenones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17100-17103.	13.8	29
34	Systematic Modulation of the Supramolecular Gelation Properties of Bile Acid Alkyl Amides. <i>Chemistry - A European Journal</i> , 2018, 24, 18676-18681.	3.3	4
35	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 14571-14571.	3.3	1
36	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 14654-14667.	3.3	31

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37	Host-guest complexes of conformationally flexible <i>C</i> -hexyl-2-bromoresorcinarene and aromatic <i>N</i> -oxides: solid-state, solution and computational studies. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1723-1733.	2.2	9
38	Two-photon absorption of BF <sub>2</sub> -carrying compounds: insights from theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5705-5708.	2.8	17
39	Extended dipyrin ligands: candidates for optical metal ion detection under competitive conditions. <i>Chemical Communications</i> , 2017, 53, 3213-3215.	4.1	10
40	Ein achtkerniger metallocuproligand mit Spin-Crossover-Eigenschaften. <i>Angewandte Chemie</i> , 2017, 129, 5012-5017.	2.0	19
41	Frontispiece: An Octanuclear Metallocuproligand Designed To Exhibit Spin-Crossover Behavior. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	13.8	1
42	Rapid self-healing and anion selectivity in metallocuproligand gels assisted by fluorine-fluorine interactions. <i>Dalton Transactions</i> , 2017, 46, 7309-7316.	3.3	36
43	Endo-/exo- and halogen-bonded complexes of conformationally rigid <i>C</i> -ethyl-2-bromoresorcinarene and aromatic <i>N</i> -oxides. <i>CrystEngComm</i> , 2017, 19, 4312-4320.	2.6	9
44	Switchable Access to Different Spirocyclopentane Oxindoles by <i>N</i> -Heterocyclic Carbene Catalyzed Reactions of Isatin-Derived Enals and <i>N</i> -Sulfonyl Ketimines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8516-8521.	13.8	94
45	Switchable Access to Different Spirocyclopentane Oxindoles by <i>N</i> -Heterocyclic Carbene Catalyzed Reactions of Isatin-Derived Enals and <i>N</i> -Sulfonyl Ketimines. <i>Angewandte Chemie</i> , 2017, 129, 8636-8641.	2.0	31
46	An Octanuclear Metallocuproligand Designed To Exhibit Spin-Crossover Behavior. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4930-4935.	13.8	80
47	Polyoxygenated Cyclohexenes and Other Constituents of <i>Cleistocholamys kirkii</i> Leaves. <i>Journal of Natural Products</i> , 2017, 80, 114-125.	3.0	27
48	Polypyridyl-functionalized alkynyl gold metalloligands supported by tri- and tetradentate phosphanes. <i>Dalton Transactions</i> , 2017, 46, 13920-13934.	3.3	14
49	Host-Guest Complexes of Ethylmethylresorcinarene and Aromatic <i>N,N</i> -dioxides. <i>ChemistryOpen</i> , 2017, 6, 417-423.	1.9	6
50	Frontispiz: Ein achtkerniger metallocuproligand mit Spin-Crossover-Eigenschaften. <i>Angewandte Chemie</i> , 2017, 129, .	2.0	0
51	Tridentate <i>N</i> -oxides with halogen bonds. <i>CrystEngComm</i> , 2017, 19, 4960-4963.	2.6	12
52	Halogen-Bonded Co-Crystals of Aromatic <i>N</i> -oxides: Polydentate Acceptors for Halogen and Hydrogen Bonds. <i>Crystals</i> , 2017, 7, 214.	2.2	21
53	Asymmetric, Three-Component, One-Pot Synthesis of Spiropyrazolones and 2,5-Chromenediones from Aldol Condensation/NHC-Catalyzed Annulation Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 5123-5127.	3.3	59
54	2-Methylresorcinarene: a very high packing coefficient in a mono-anion based dimeric capsule and the X-ray crystal structure of the tetra-anion. <i>Chemical Communications</i> , 2016, 52, 8115-8118.	4.1	14

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55	[Nâ€¦â€¦â€¦] Halogenâ€Bonded Dimeric Capsules from Tetrakis(3â€pyridyl)ethylene Cavitanâ€s. <i>Angewandte Chemie</i> , 2016, 128, 14239-14242.	2.0	23
56	[Nâ€¦â€¦â€¦] Halogenâ€Bonded Dimeric Capsules from Tetrakis(3â€pyridyl)ethylene Cavitanâ€s. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14033-14036.	13.8	100
57	Asymmetric Organocatalytic Synthesis of 4-Aminoisochromanones via a Direct One-Pot Intramolecular Mannich Reaction. <i>Synthesis</i> , 2016, 48, 4451-4458.	2.3	11
58	Combining Organocatalysis and Lanthanide Catalysis: A Sequential Oneâ€Pot Quadruple Reaction Sequence/Heteroâ€Dielsâ€Alder Asymmetric Synthesis of Functionalized Tricycles. <i>Angewandte Chemie</i> , 2016, 128, 16387-16389.	2.0	7
59	Combining Organocatalysis and Lanthanide Catalysis: A Sequential Oneâ€Pot Quadruple Reaction Sequence/Heteroâ€Dielsâ€Alder Asymmetric Synthesis of Functionalized Tricycles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16153-16155.	13.8	33
60	Photocontrolled Onâ€Surface Pseudorotaxane Formation with Wellâ€Ordered Macrocycle Multilayers. <i>Chemistry - A European Journal</i> , 2016, 22, 14383-14389.	3.3	14
61	Asymmetric Synthesis of Spirobenzazepinones with Atroposelectivity and Spiroâ€1,2â€Diazepinones by NHCâ€Catalyzed [3+4] Annulation Reactions. <i>Angewandte Chemie</i> , 2016, 128, 11276-11280.	2.0	46
62	Asymmetric Synthesis of Spirobenzazepinones with Atroposelectivity and Spiroâ€1,2â€Diazepinones by NHCâ€Catalyzed [3+4] Annulation Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11110-11114.	13.8	162
63	Solution and Solidâ€State Studies on the Halide Binding Affinity of Perfluorophenylâ€Armed Uranylâ€Salophen Receptors Enhanced by Anionâ€â€ Interactions. <i>Chemistry - A European Journal</i> , 2016, 22, 18714-18717.	3.3	14
64	Substituent Effects on the [Nâ€â€N]â€ Halogen Bond. <i>Journal of the American Chemical Society</i> , 2016, 138, 9853-9863.	13.7	89
65	Asymmetric Synthesis of Tetrahydrobenzofurans and Annulated Dihydropyrans via Cooperative One-Pot Organo- and Silver-Catalysis. <i>Synthesis</i> , 2016, 48, 3207-3216.	2.3	8
66	Mechanochemical Synthesis, Photophysical Properties, and Xâ€ray Structures of Nâ€Heteroacenes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1283-1291.	2.4	34
67	Inclusion complexes of <i>C</i> -ethyl-2-methylresorcinarene and pyridine <i>N</i> -oxides: breaking the Câ€â€Oâ€Nâ€ halogen bond by hostâ€guest complexation. <i>CrystEngComm</i> , 2016, 18, 793-799.	2.6	15
68	Enantioselective synthesis of 4H-pyranonaphthoquinones via sequential squaramide and silver catalysis. <i>Chemical Communications</i> , 2016, 52, 1669-1672.	4.1	28
69	Conformational changes in <i>C</i> -methyl-resorcinarene pyridine <i>N</i> -oxide inclusion complexes in the solid state. <i>CrystEngComm</i> , 2016, 18, 4971-4976.	2.6	14
70	Biocompatible hydrogelators based on bile acid ethyl amides. <i>Steroids</i> , 2016, 108, 7-16.	1.8	8
71	Asymmetric Synthesis of Spiro Tetrahydrothiophene-indan-1,3-diones via a Squaramide-Catalyzed Sulfa-Michael/Aldol Domino Reaction. <i>Synthesis</i> , 2016, 48, 1131-1138.	2.3	17
72	Very strong <sup>â€</sup> Nâ€X <sup>â€</sup> â€Oâ€Nâ€ halogen bonds. <i>Chemical Communications</i> , 2016, 52, 2338-2341.	4.1	79

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73	Asymmetric synthesis of 3,3- $\epsilon^2$ -pyrrolidinyldispirooxindoles via a one-pot organocatalytic Mannich/deprotection/aza-Michael sequence. <i>Chemical Communications</i> , 2016, 52, 2249-2252.	4.1	72
74	Asymmetric synthesis of cyclopentanes bearing four contiguous stereocenters via an NHC-catalyzed Michael/Michael/esterification domino reaction. <i>Chemical Communications</i> , 2016, 52, 2609-2611.	4.1	40
75	Efficient Self-Assembly of Di-, Tri-, Tetra-, and Hexavalent Hosts with Predefined Geometries for the Investigation of Multivalency. <i>Chemistry - A European Journal</i> , 2015, 21, 13035-13044.	3.3	8
76	Solvent-Free Ball-Milling Subcomponent Synthesis of Metallosupramolecular Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 6390-6393.	3.3	29
77	Enantiomer Separation of Tris(2,2'-bipyridine)ruthenium(II): Interaction of a D3-Symmetric Cation with a C2-Symmetric Anion. <i>Crystal Growth and Design</i> , 2015, 15, 1559-1563.	3.0	8
78	Sterically geared tris-thioureas; transmembrane chloride transporters with unusual activity and accessibility. <i>Chemical Communications</i> , 2015, 51, 14235-14238.	4.1	31
79	Methylresorcinarene: a reaction vessel to control the coordination geometry of copper(II) in pyridine N-oxide copper(II) complexes. <i>Dalton Transactions</i> , 2015, 44, 9881-9886.	3.3	11
80	Coordination-Induced Spin-State Switching with Nickel Chlorin and Nickel Isobacteriochlorin. <i>Inorganic Chemistry</i> , 2015, 54, 9390-9392.	4.0	43
81	Synthesis of tetrahalide dianions directed by crystal engineering. <i>CrystEngComm</i> , 2015, 17, 6641-6645.	2.6	11
82	Aromatic N-oxide templates open inclusion and dimeric capsular assemblies with methylresorcinarene. <i>RSC Advances</i> , 2015, 5, 30222-30226.	3.6	10
83	A coumarin based gold(I)-alkynyl complex: a new class of supramolecular hydrogelators. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2026-2033.	2.8	42
84	Synthesis and X-ray crystal structures of silver complexes of 2,6-dimethylpyridine N-oxide: Steric factors override electronic effects. <i>Polyhedron</i> , 2014, 69, 25-30.	2.2	5
85	Pyridine N-oxide: a hyperdentate argentophile. <i>CrystEngComm</i> , 2014, 16, 556-560.	2.6	18
86	Anion dependent silver(I) complexes of pyrazine mono-N-oxide. <i>RSC Advances</i> , 2014, 4, 22449-22454.	3.6	6
87	Chemistry and Photochemistry of 2,6-Bis(2-hydroxybenzylidene)cyclohexanone. An Example of a Compound Following the Anthocyanins Network of Chemical Reactions. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6208-6215.	2.5	15
88	4-Methoxypyridine N-oxide: An electron-rich ligand that can simultaneously bridge three silver atoms. <i>Inorganic Chemistry Communication</i> , 2014, 41, 33-36.	3.9	6