

Rakesh Puttreddy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Asymmetric Synthesis of Spirobenzazepinones with Atroposelectivity and Spiro[1,2]Diazepinones by NHC-Catalyzed [3+4] Annulation Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11110-11114.	13.8	162
2	[Nâ€¦â€¦â€¦] Halogen-Bonded Dimeric Capsules from Tetrakis(3-pyridyl)ethylene Cavities. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14033-14036.	13.8	100
3	Switchable Access to Different Spirocyclopentane Oxindoles by N-Heterocyclic Carbene Catalyzed Reactions of Isatin-Derived Enals and N-Sulfonyl Ketimines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8516-8521.	13.8	94
4	Substituent Effects on the [Nâ€¦â€¦N] Halogen Bond. <i>Journal of the American Chemical Society</i> , 2016, 138, 9853-9863.	13.7	89
5	An Octanuclear Metallosupramolecular Cage Designed To Exhibit Spin-Crossover Behavior. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4930-4935.	13.8	80
6	Very strong π - π Nâ€¦X ⁺ â€¦â€¦Oâ€¦N halogen bonds. <i>Chemical Communications</i> , 2016, 52, 2338-2341.	4.1	79
7	Asymmetric synthesis of 3,3'-pyrrolidinyldispirooxindoles via a one-pot organocatalytic Mannich/deprotection/aza-Michael sequence. <i>Chemical Communications</i> , 2016, 52, 2249-2252.	4.1	72
8	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
9	Strong Nâ€¦â€¦Oâ€¦N Halogen Bonds: A Comprehensive Study on N-Halosaccharin Pyridine Oxide Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18610-18618.	13.8	54
10	Asymmetric Synthesis of Spirobenzazepinones with Atroposelectivity and Spiro[1,2]Diazepinones by NHC-Catalyzed [3+4] Annulation Reactions. <i>Angewandte Chemie</i> , 2016, 128, 11276-11280.	2.0	46
11	Coordination-Induced Spin-State Switching with Nickel Chlorin and Nickel Isobacteriochlorin. <i>Inorganic Chemistry</i> , 2015, 54, 9390-9392.	4.0	43
12	A coumarin based gold(κ -alkynyl) complex: a new class of supramolecular hydrogelators. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2026-2033.	2.8	42
13	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
14	Rapid self-healing and anion selectivity in metallosupramolecular gels assisted by fluorine-fluorine interactions. <i>Dalton Transactions</i> , 2017, 46, 7309-7316.	3.3	36
15	Mechanochemical Synthesis, Photophysical Properties, and X-ray Structures of N-Heteroacenes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1283-1291.	2.4	34
16	Efficient Conversion of Light to Chemical Energy: Directional, Chiral Photoswitches with Very High Quantum Yields. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15081-15086.	13.8	34
17	Combining Organocatalysis and Lanthanide Catalysis: A Sequential One-Pot Quadruple Reaction Sequence/Hetero-Diels-Alder Asymmetric Synthesis of Functionalized Tricycles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16153-16155.	13.8	33
18	Sterically geared tris-thioureas; transmembrane chloride transporters with unusual activity and accessibility. <i>Chemical Communications</i> , 2015, 51, 14235-14238.	4.1	31

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19	Switchable Access to Different Spirocyclopentane Oxindoles by N-Heterocyclic Carbene Catalyzed Reactions of Isatin-Derived Enals and Sulfonyl Ketimines. <i>Angewandte Chemie</i> , 2017, 129, 8636-8641.	2.0	31
20	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
21	Solvent-Free Ball-Milling Subcomponent Synthesis of Metallosupramolecular Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 6390-6393.	3.3	29
22	N-Heterocyclic Carbene Catalyzed Quadruple Domino Reactions: Asymmetric Synthesis of Cyclopenta[<i>c</i>]chromenones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17100-17103.	13.8	29
23	Chiral self-sorting behaviour of [2.2]paracyclophane-based bis(pyridine) ligands. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1226-1235.	4.5	29
24	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
25	Enantioselective synthesis of 4H-pyranonaphthoquinones via sequential squaramide and silver catalysis. <i>Chemical Communications</i> , 2016, 52, 1669-1672.	4.1	28
26	Polyoxygenated Cyclohexenes and Other Constituents of <i>Cleistoclamys kirkii</i> Leaves. <i>Journal of Natural Products</i> , 2017, 80, 114-125.	3.0	27
27	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
28	[N...N] Halogen-Bonded Dimeric Capsules from Tetrakis(3-pyridyl)ethylene Cavitations. <i>Angewandte Chemie</i> , 2016, 128, 14239-14242.	2.0	23
29	Halogen-Bonded Co-Crystals of Aromatic N-oxides: Polydentate Acceptors for Halogen and Hydrogen Bonds. <i>Crystals</i> , 2017, 7, 214.	2.2	21
30	Subcomponent Self-Assembly of a Cyclic Tetranuclear Fe II Helicate in a Highly Diastereoselective Self-Sorting Manner. <i>Chemistry - A European Journal</i> , 2019, 25, 12294-12297.	3.3	21
31	Halogen bonds in 2,5-dihalopyridine-copper(II) chloride complexes. <i>CrystEngComm</i> , 2018, 20, 1954-1959.	2.6	20
32	Ein achtkerniger metallosupramolekularer Warfel mit Spin-Crossover-Eigenschaften. <i>Angewandte Chemie</i> , 2017, 129, 5012-5017.	2.0	19
33	Pyridine N-oxide: a hyperdentate argentophile. <i>CrystEngComm</i> , 2014, 16, 556-560.	2.6	18
34	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
35	Two-photon absorption of BF ₂ -carrying compounds: insights from theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5705-5708.	2.8	17
36	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

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37	The C ⁺ ⋯N ⁺ Halogen Bonds with Tetraiodoethylene and Aromatic N-Oxides. <i>Crystal Growth and Design</i> , 2020, 20, 5330-5337.	3.0	17
38	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
39	Inclusion complexes of <i>C</i> -ethyl-2-methylresorcinarene and pyridine <i>N</i> -oxides: breaking the C ⁺ ⋯N ⁺ halogen bond by host-guest complexation. <i>CrystEngComm</i> , 2016, 18, 793-799.	2.6	15
40	Host-Guest Interactions of Sodiumsulfonatomethyleneresorcinarene and Quaternary Ammonium Halides: An Experimental-Computational Analysis of the Guest Inclusion Properties. <i>Crystal Growth and Design</i> , 2020, 20, 2367-2376.	3.0	15
41	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
42	Photocontrolled Surface Pseudorotaxane Formation with Well-Ordered Macrocyclic Multilayers. <i>Chemistry - A European Journal</i> , 2016, 22, 14383-14389.	3.3	14
43	Solution and Solid-State Studies on the Halide Binding Affinity of Perfluorophenyl-Armed Uranyl-Salophen Receptors Enhanced by Anion-π Interactions. <i>Chemistry - A European Journal</i> , 2016, 22, 18714-18717.	3.3	14
44	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
45	Polypyridyl-functionalized alkynyl gold(<i>i</i>) metallaligands supported by tri- and tetradentate phosphanes. <i>Dalton Transactions</i> , 2017, 46, 13920-13934.	3.3	14
46	A New Benzopyran Cadenane Sesquiterpene and Other Antiplasmodial and Cytotoxic Metabolites from <i>Cleistochlamys kirkii</i> . <i>Molecules</i> , 2019, 24, 2746.	3.8	14
47	Polymorphic chiral squaraine crystallites in textured thin films. <i>Chirality</i> , 2020, 32, 619-631.	2.6	13
48	Tridentate C ⁺ ⋯O ⁺ ⋯N ⁺ halogen bonds. <i>CrystEngComm</i> , 2017, 19, 4960-4963.	2.6	12
49	Shedding Light on the Interactions of Hydrocarbon Ester Substituents upon Formation of Dimeric Titanium(IV) Triscatecholates in DMSO Solution. <i>Chemistry - A European Journal</i> , 2020, 26, 1396-1405.	3.3	12
50	Methylresorcinarene: a reaction vessel to control the coordination geometry of copper(<i>ii</i>) in pyridine <i>N</i> -oxide copper(<i>ii</i>) complexes. <i>Dalton Transactions</i> , 2015, 44, 9881-9886.	3.3	11
51	Synthesis of tetrahalide dianions directed by crystal engineering. <i>CrystEngComm</i> , 2015, 17, 6641-6645.	2.6	11
52	Asymmetric Organocatalytic Synthesis of 4-Aminoisochromanones via a Direct One-Pot Intramolecular Mannich Reaction. <i>Synthesis</i> , 2016, 48, 4451-4458.	2.3	11
53	Aromatic <i>N</i> -oxide templates open inclusion and dimeric capsular assemblies with methylresorcinarene. <i>RSC Advances</i> , 2015, 5, 30222-30226.	3.6	10
54	Extended dipyrin ligands: candidates for optical metal ion detection under competitive conditions. <i>Chemical Communications</i> , 2017, 53, 3213-3215.	4.1	10

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55	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
56	<i>N</i> -(2,3,5,6-Tetrafluoropyridyl)sulfoximines: synthesis, X-ray crystallography, and halogen bonding. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3896-3906.	4.5	10
57	Effiziente Umwandlung von Licht in chemische Energie: Gerichtete, chirale Photoschalter mit sehr hohen Quantenausbeuten. <i>Angewandte Chemie</i> , 2020, 132, 15193-15198.	2.0	10
58	1,2,6-Thiadiazine 1-Oxides: Unsaturated Three-Dimensional S,N-Heterocycles from Sulfonimidamides. <i>Organic Letters</i> , 2020, 22, 2702-2706.	4.6	10
59	Endo-/exo- and halogen-bonded complexes of conformationally rigid C-ethyl-2-bromoresorcinarene and aromatic N-oxides. <i>CrystEngComm</i> , 2017, 19, 4312-4320.	2.6	9
60	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
61	Bringing a Molecular Plus One: Synergistic Binding Creates Guest-Mediated Three-Component Complexes. <i>Journal of Organic Chemistry</i> , 2020, 85, 5884-5894.	3.2	9
62	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
63	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
64	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
65	Biocompatible hydrogelators based on bile acid ethyl amides. <i>Steroids</i> , 2016, 108, 7-16.	1.8	8
66	Halogen Bonds in 2,5-Dihalopyridine-Copper(I) Halide Coordination Polymers. <i>Materials</i> , 2019, 12, 3305.	2.9	8
67	Combining Organocatalysis and Lanthanide Catalysis: A Sequential One-Pot Quadruple Reaction Sequence/Hetero-Diels-Alder Asymmetric Synthesis of Functionalized Tricycles. <i>Angewandte Chemie</i> , 2016, 128, 16387-16389.	2.0	7
68	Thermodynamically driven self-assembly of pyridinearene to hexameric capsules. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6980-6984.	2.8	7
69	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
70	Secoiridoids and Iridoids from <i>Morinda asteroscepa</i> . <i>Journal of Natural Products</i> , 2020, 83, 2641-2646.	3.0	7
71	Short X ⁺ ⋯N Halogen Bonds With Hexamethylenetetraamine as the Acceptor. <i>Frontiers in Chemistry</i> , 2021, 9, 623595.	3.6	7
72	Aggregation versus Biological Activity in Gold(I) Complexes. An Unexplored Concept. <i>Inorganic Chemistry</i> , 2021, 60, 18753-18763.	4.0	7

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73	Anion dependent silver complexes of pyrazine mono-N-oxide. RSC Advances, 2014, 4, 22449-22454.	3.6	6
74	4-Methoxypyridine N-oxide: An electron-rich ligand that can simultaneously bridge three silver atoms. Inorganic Chemistry Communication, 2014, 41, 33-36.	3.9	6
75	Host-Guest Complexes of Ethylmethylresorcinarene and Aromatic N-Oxides. ChemistryOpen, 2017, 6, 417-423.	1.9	6
76	Strong N-Halogen Bonds: A Comprehensive Study on Halosaccharin Pyridine N-Oxide Complexes. Angewandte Chemie, 2019, 131, 18783-18791.	2.0	6
77	Synthesis and X-ray crystal structures of silver complexes of 2,6-dimethylpyridine N-oxide: Steric factors override electronic effects. Polyhedron, 2014, 69, 25-30.	2.2	5
78	Heterocyclic Carbene Catalyzed Quadruple Domino Reactions: Asymmetric Synthesis of Cyclopenta[chromenones. Angewandte Chemie, 2018, 130, 17346-17349.	2.0	5
79	Systematic Modulation of the Supramolecular Gelation Properties of Bile Acid Alkyl Amides. Chemistry - A European Journal, 2018, 24, 18676-18681.	3.3	4
80	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
81	Water Soluble Host-Guest Chemistry Involving Aromatic N-Oxides and Sulfonateresorcinarene. Symmetry, 2020, 12, 1751.	2.2	3
82	Heads or Tails? Sandwich-Type Metallo Complexes of Hexakis(2,3-di-O-methyl)-cyclodextrin. Crystal Growth and Design, 2020, 20, 4193-4199.	3.0	3
83	Host-guest complexes of C-propyl-2-bromoresorcinarene with aromatic N-oxides. Supramolecular Chemistry, 2018, 30, 445-454.	1.2	2
84	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
85	Frontispiece: An Octanuclear Metallosupramolecular Cage Designed To Exhibit Spin-Crossover Behavior. Angewandte Chemie - International Edition, 2017, 56, .	13.8	1
86	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. Chemistry - A European Journal, 2018, 24, 14571-14571.	3.3	1
87	Homo- and heterometallic chiral dynamic architectures from allylpalladium building blocks. Dalton Transactions, 2022, , .	3.3	1
88	Frontispiz: Ein achtkerniger metallosupramolekularer Warfel mit Spin-Crossover-Eigenschaften. Angewandte Chemie, 2017, 129, .	2.0	0