

# Raja Angamuthu

## List of Publications by Year in descending order

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28  
papers

878  
citations

932766

10  
h-index

552369

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic CO Conversion to Oxalate by a Copper Complex. <i>Science</i> , 2010, 327, 313-315.	6.0	507
2	Copper(II) complexes of tridentate pyridylmethylethylenediamines: Role of ligand steric hindrance on DNA binding and cleavage. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1717-1732.	1.5	127
3	A molecular cage of nickel(ii) and copper(i): a $[\{Ni(L)_2\}_2(Cu)_6]$ cluster resembling the active site of nickel-containing enzymes. <i>Chemical Communications</i> , 2009, , 2700.	2.2	34
4	Organo Ruthenium–Nickel Dithiolates with Redox-Responsive Nickel Sites. <i>Organometallics</i> , 2013, 32, 6324-6329.	1.1	25
5	Reduction of protons assisted by a hexanuclear nickel thiolate metallacrown: protonation and electrocatalytic dihydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5578.	1.3	24
6	Hexanuclear $[Ni_6L_{12}]$ metallacrown framework consisting of $Ni_4$ square-planar and $Ni_5$ square-pyramidal building blocks. <i>Dalton Transactions</i> , 2007, , 4641.	1.6	22
7	N-Substituted Derivatives of the Azadithiolate Cofactor from the $[FeFe]$ Hydrogenases: Stability and Complexation. <i>Inorganic Chemistry</i> , 2015, 54, 5717-5724.	1.9	17
8	Janus head type lone pair–lone pair and S–F–S interactions in retaining hexafluorobenzene. <i>CrystEngComm</i> , 2016, 18, 4438-4444.	1.3	15
9	Multicomponent One-pot Reactions Towards the Synthesis of Stereoisomers of Dipicolylamine Complexes. <i>Chemistry - an Asian Journal</i> , 2016, 11, 128-135.	1.7	12
10	Solvent-free synthesis and reactivity of nickel(II) borohydride and nickel(II) hydride. <i>Green Chemistry</i> , 2019, 21, 2752-2758.	4.6	12
11	Benzimidazolines Convert Sulfur Dioxide to Bisulfate at Room Temperature and Atmospheric Pressure Utilizing Aerial Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6322-6328.	3.2	10
12	A New Route to Azadithiolato Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1029-1032.	1.0	8
13	Benzothiazoline Converts $SO_2$ to Sulfuric Acid en Route to Benzothiazole. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6517-6523.	3.2	8
14	Synthetic $[NiFe]$ models with a fluxional CO ligand. <i>Dalton Transactions</i> , 2017, 46, 13681-13685.	1.6	7
15	Metal ions as external stimuli in stereoselective self-sorting of koneramines and thiokoneramines. <i>New Journal of Chemistry</i> , 2017, 41, 12303-12308.	1.4	6
16	Nickel-Mediated Stepwise Transformation of CO to Acetaldehyde and Ethanol. <i>Organometallics</i> , 2017, 36, 3135-3141.	1.1	6
17	Binding enabled catalytic activation of $SO_2$ by copper koneramine complexes under ambient conditions. <i>Green Chemistry</i> , 2019, 21, 6372-6380.	4.6	6
18	Heteronuclear assembly of Ni–Cu dithiolato complexes: synthesis, structures, and reactivity studies. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 706-711.	3.0	5

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19	Mechanism of Evolution of Koneramine Complexes from One-pot Reactions: Snapshots of Intermediates Offer Facile Routes to New Dipicolylamines. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1458-1466.	1.7	5
20	Synthetic [FeFe]-H <sub>2</sub> ase models bearing phosphino thioether chelating ligands. <i>Chinese Chemical Letters</i> , 2018, 29, 1651-1655.	4.8	5
21	Reductive Coupling of Bridging Diaryl Ligands in Half-Sandwich Cobalt(II) Dimers: Revisiting Triple-Decker Cobalt(I) Complexes. <i>Organometallics</i> , 2019, 38, 3610-3616.	1.1	4
22	Bioinspired Oxidative Cleavage of Aliphatic C-C Bonds Utilizing Aerial Oxygen by Nickel Acireductone Dioxygenase Mimics. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2164-2167.	1.0	4
23	A Quest towards Eccentric Piedfort Pairs. <i>ChemistrySelect</i> , 2018, 3, 4844-4850.	0.7	3
24	Tetranuclear nickel cubane cluster formed by the hydrolysis of nickel koneramine complex. <i>Inorganica Chimica Acta</i> , 2018, 483, 258-261.	1.2	2
25	Cryptand based fluorescence signaling systems for transition, inner-transition and main group metal ions: Modulation of the PET process through attachment of electron-withdrawing and electron donating groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 369, 1-7.	2.0	2
26	Air-stable nickel(II) borohydrides as prohydrides: Reactions with halocarbons and aerial carbon dioxide. <i>Inorganica Chimica Acta</i> , 2021, 526, 120526.	1.2	2
27	Metal Dependent Formation of Imidazolidine or Hemiaminal Ether Complexes from Multicomponent One-pot Reactions. <i>ChemistrySelect</i> , 2018, 3, 9960-9964.	0.7	0
28	Bioinspired Oxidative Cleavage of Aliphatic C=C Bonds Utilizing Aerial Oxygen by Nickel Acireductone Dioxygenase Mimics. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2163-2163.	1.0	0