

# Debabrata Sengupta

## List of Publications by Year in descending order

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14  
papers

589  
citations

933447

10  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust resistive memory devices using solution-processable metal-coordinated azoAromatics. Nature Materials, 2017, 16, 1216-1224.	27.5	244
2	Exclusively Ligand-Mediated Catalytic Dehydrogenation of Alcohols. Inorganic Chemistry, 2016, 55, 9602-9610.	4.0	55
3	Pure white light emission from a rare earth-free intrinsic metalâ€“organic framework and its application in a WLED. Journal of Materials Chemistry C, 2018, 6, 614-621.	5.5	53
4	Redox Nonâ€“innocence of Coordinated 2â€“(Arylazo) Pyridines in Iridium Complexes: Characterization of Redox Series and an Insight into Voltageâ€“Induced Current Characteristics. Chemistry - A European Journal, 2014, 20, 6103-6111.	3.3	45
5	An Azoaromatic Ligand as Four Electron Four Proton Reservoir: Catalytic Dehydrogenation of Alcohols by Its Zinc(II) Complex. Inorganic Chemistry, 2018, 57, 6816-6824.	4.0	45
6	Ligand-Centered Redox in Nickel(II) Complexes of 2-(Arylazo)pyridine and Isolation of 2-Pyridyl-Substituted Triaryl Hydrazines via Catalytic N-Arylation of Azo-Function. Inorganic Chemistry, 2014, 53, 12002-12013.	4.0	33
7	Ligand Redox-Controlled Tandem Synthesis of Azines from Aromatic Alcohols and Hydrazine in Air: One-Pot Synthesis of Phthalazine. Journal of Organic Chemistry, 2018, 83, 7771-7778.	3.2	33
8	Effects of Ancillary Ligands on Redox and Chemical Properties of Ruthenium Coordinated Azoaromatic Pincer. Inorganic Chemistry, 2018, 57, 11995-12009.	4.0	29
9	Regioselective <i>ortho</i> Amination of Coordinated 2-(Arylazo)pyridine. Isolation of Monoradical Palladium Complexes of a New Series of Azo-Aromatic Pincer Ligands. Inorganic Chemistry, 2015, 54, 11465-11476.	4.0	27
10	Isolation of a Bimetallic Cobalt(III) Nitride and Examination of Its Hydrogen Atom Abstraction Chemistry and Reactivity toward H <sub>2</sub> . Journal of the American Chemical Society, 2020, 142, 8233-8242.	13.7	12
11	Role of Mediator and Effects of Temperature on <i>ortho</i> -Câ€“N Bond Fusion Reactions of Aniline Using Ruthenium Templates: Isolation and Characterization of New Ruthenium Complexes of the in-Situ-Generated Ligands. Inorganic Chemistry, 2017, 56, 4966-4977.	4.0	5
12	Size-selective Pt siderophores based on redox active azo-aromatic ligands. Chemical Science, 2020, 11, 9226-9236.	7.4	4
13	Metal-ligand cooperativity in a ruthenium(II) complex of bis-azoaromatic ligand for catalytic dehydrogenation of alcohols. Inorganica Chimica Acta, 2019, 484, 160-166.	2.4	3
14	Synthesis and Characterization of Nitrogen Subvalence in a Pt Metallonitrene. Trends in Chemistry, 2021, 3, 251-253.	8.5	0