

# Amit Das

## List of Publications by Year in descending order

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19  
papers

1,072  
citations

471509

17  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel Complexes for Robust Light-Driven and Electrocatalytic Hydrogen Production from Water. ACS Catalysis, 2015, 5, 1397-1406.	11.2	221
2	Photogeneration of hydrogen from water using CdSe nanocrystals demonstrating the importance of surface exchange. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16716-16723.	7.1	127
3	Lignin Conversion to Low-Molecular-Weight Aromatics via an Aerobic Oxidation-Hydrolysis Sequence: Comparison of Different Lignin Sources. ACS Sustainable Chemistry and Engineering, 2018, 6, 3367-3374.	6.7	118
4	Noncovalent Immobilization of Molecular Electrocatalysts for Chemical Synthesis: Efficient Electrochemical Alcohol Oxidation with a Pyrene-TEMPO Conjugate. Angewandte Chemie - International Edition, 2017, 56, 8892-8897.	13.8	112
5	Application of a Structure/Oxidation State Correlation to Complexes of Bridging Azo Ligands. Chemistry - A European Journal, 2012, 18, 11007-11018.	3.3	63
6	Photoelectrochemical Generation of Hydrogen from Water Using a CdSe Quantum Dot-Sensitized Photocathode. ACS Catalysis, 2015, 5, 2255-2259.	11.2	55
7	Electrochemical C-H oxygenation and alcohol dehydrogenation involving Fe-oxo species using water as the oxygen source. Chemical Science, 2019, 10, 7542-7548.	7.4	51
8	Reductive Approach to Mixed Valency ( $\mu$ -1) in the Pyrazine Ligand-Bridged [(acac) <sub>2</sub> Ru( $\mu$ -L) <sub>2</sub> Ru(acac) <sub>2</sub> ] <sup>n+</sup> ( $n = 1, 2$ ) Clusters. Inorganic Chemistry, 2011, 50, 1775-1785.	4.0	39
9	Isomeric Complexes of [Ru <sup>II</sup> (trpy)(L)Cl] (trpy = 2,2',6',6'-Terpyridine and HL = Quinaldic Acid): Preference of Isomeric Structural Form in Catalytic Chemoselective Epoxidation Process. Inorganic Chemistry, 2011, 50, 1775-1785.	4.0	39
10	Asymmetrical Diruthenium Complex Bridged by a Redox-Active Ligand. Inorganic Chemistry, 2012, 51, 1675-1684.	4.0	39
11	Experimental and DFT Evidence for the Fractional Non-Innocence of a $\mu$ -Diketonate Ligand. Chemistry - A European Journal, 2012, 18, 14434-14443.	3.3	35
12	Noncovalent Immobilization of Molecular Electrocatalysts for Chemical Synthesis: Efficient Electrochemical Alcohol Oxidation with a Pyrene-TEMPO Conjugate. Angewandte Chemie, 2017, 129, 9018-9023.	2.0	32
13	A Diruthenium Complex of a $\mu$ -Nindigo-Ligand. Inorganic Chemistry, 2013, 52, 8467-8475.	4.0	30
14	9-Oxidophenalenone: A Noninnocent $\mu$ -Diketonate Ligand?. Inorganic Chemistry, 2012, 51, 4390-4397.	4.0	28
15	Valence structures of the diastereomeric complexes meso- and rac-[Ru <sub>2</sub> (acac) <sub>4</sub> ( $\mu$ -Q)] <sub>n</sub> ( $n = 2, 1, 0, 1+$ ). Transactions, 2009, , 9645.	3.3	25
16	Electronic structure and catalytic aspects of [(trpy)(Cl)Ru(L)] <sub>n</sub> incorporating potential non-innocent ligands, L: 9-Oxidophenalenone and trpy: 2,2',6',6'-terpyridine. Polyhedron, 2013, 52, 1130-1137.	2.2	22
17	The intricate paramagnetic state of [Os(Q) <sub>2</sub> (bpy)] <sup>+</sup> , Q = 4,6-di-tert-butyl-o-iminobenzoquinone. Dalton Transactions, 2012, 41, 11675.	3.3	17
18	Probing the Electron Accepting Orbitals of Ni-Centered Hydrogen Evolution Catalysts with Noninnocent Ligands by Ni L-Edge and S K-Edge X-ray Absorption. Inorganic Chemistry, 2018, 57, 13167-13175.	4.0	13

#	ARTICLE	IF	CITATIONS
19	Electronic structures of ruthenium complexes encircling non-innocent ligand assembly. Journal of Chemical Sciences, 2012, 124, 1181-1189.	1.5	2