

LIST OF PUBLICATIONS

1. Oxygen binding to sulfur in nitrosylated iron thiolate complex-relevance to nitrile Hydratases.
C.M.Lee, C-H.Hsiesh, **A.Dutta**, G-H.Lee and W-F. Liaw
J.Am.Chem.Soc., (2003),125,11492-11493.
2. NO Transfer Reaction Between Nitrite Containing DNIC and Iron N –Confused Porphyrin Center Involves Simultaneous Nitrite Reduction and NO Dissociation from DNIC Center.
A.Dutta, L.T.Fong, F.T.Tsai, W.F.Liaw and C.H.Hung
J.Am.Chem.Soc., (communicated)
3. Mechanistic studies of Reductive Nitrosylation of Fe(II/III) N-confused Porphyrin
A.Dutta, W.M.Ching, L.T.Fong and C.H.Hung
J.Am.Chem.Soc., (communicated)
4. Modeling NO Transfer Reaction Between DNIC and Heme Iron Center
A.Dutta, L.T.Fong and C.H.Hung
J.Biol.Inorg.Chem, 14, supplement 1, July 2009.
(presented in ICBIC 14 at Nagoya, Japan, July 2009)
5. A tridentate in situ generated ligand that directs the self-assembly of a transition metal complex: Synthesis and structural characterization of cis-dichloro[1-(2-aminoethyl) biguanide]copper(II) monohydrate.
B.Dey, S.Raychoudhury, S.Das, A.D.Jana, L-P Lu, M-L Zhu, **A.Dutta** and S.Mukhopadhyay
Polyhedron, (2008), 2899.
6. pH-triggered changes in the supramolecular self-assembly of Cu(II) malonate complexes
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8. Kinetics of oxidation of iodide ion by trans-(cyclohexane-1,2-diamine-N,N,N',N'-tetraacetato manganate(III) in weakly acidic solution.
M.Ali, **A.Dutta** and S.Gangopadhyay.
Ind.J.Chem., (2003), 42A, 531-533.
9. Oxidation of thioglycolic acid and glutathione by trans- cyclohexane -1,2-diamine-N,N,N',N'-tetraacetato manganate(III) in aqueous media.
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10. Oxidation of thiosulfate by manganese(III) and nickel(III) complexes - A kinetic and mechanistic investigation.
A. Dutta, M. Ali, S. Gangopadhyay and P. Banerjee
Int. J. Chem. Kinet., (1995), 27, 649.
11. Oxidation of cyanometalates by trans - cyclohexane -1,2- diamine -N,N,N',N'-tetraacetato-manganate(III). Kinetics and Mechanism.
A. Dutta, M. Ali, S. Gangopadhyay and P. Banerjee.
Proc. Ind. Acad. Sci. (Chem. Sci.), (1994), 106, 881.
12. Kinetics of electron transfer between bis(2,2'-bipyridine) manganese(III) complex and thioureas in aqueous perchlorate media.
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13. Kinetics of electron transfer between a nickel(III) oxime-imine complex with substituted thioureas.
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Polyhedron, (1998), 17, 2313.
18. Oxidation of thioglycolic acid by nickel(IV) oxime-imine complexes - A kinetic and mechanistic approach.
S. Bhattacharya, **A. Dutta** and P. Banerjee.
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19. Electron transfer reactions of nickel(III) and nickel(IV) complexes.
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