

**1. Smart and targeted delivery of an anticancer active copper complex: In vitro and in vivo studies**

By Pramanik, Anup Kumar; Somasundaram, Kumaravel; Samuelson, Ashoka

From [Abstracts of Papers, 254th ACS National Meeting & Exposition, Washington, DC, USA, August 20-24, 2017](#)

**2. Biotin Decorated Gold Nanoparticles for Targeted Delivery of a Smart-Linked Anticancer Active Copper Complex: In Vitro and In Vivo Studies**

By Pramanik, Anup K.; Siddikuzzaman; Palanimuthu, Duraipandi; Somasundaram, Kumaravel; Samuelson, Ashoka G.

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**3. Photophysical and Biological Studies with Organometallic Ruthenium Complexes of Selenodiazole Ligands**

By Mitra, Raja; Sridevi, V. S.; Somasundaram, Kumaravel; Samuelson, Ashoka G.

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**4. Transfer hydrogenation reactions catalyzed by chiral half-sandwich Ruthenium complexes derived from Proline**

By Pandia Kumar, Arun Kumar; Samuelson, Ashoka G.

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**5. Anticancer transition metal-thioguanine complexes**

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**6. Synthesis and unexpected reactivity of [Ru( $\eta^6$ -cymene)Cl<sub>2</sub>(PPh<sub>2</sub>Cl)], leading to [Ru( $\eta^6$ -cymene)Cl<sub>2</sub>(PPh<sub>2</sub>H)] and [Ru( $\eta^6$ -cymene)Cl<sub>2</sub>(PPh<sub>2</sub>OH)] complexes**

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**8. First hyperpolarizability of Ru-half-sandwich complexes: The effect of halogen atom substitution on the ancillary ligand**

By De, Soumi; Mitra, Raja; Samuelson, A. G.; Das, Puspendu K.

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**9. Seleno-Nucleobases and Their Water-Soluble Ruthenium-Arene Half-Sandwich Complexes: Chemistry and Biological Activity**

By Mitra, Raja; Pramanik, Anup K.; Samuelson, Ashoka G.

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**10. Mitigating UVA light induced reactivity of 6-thioguanine through formation of a Ru(II) half-sandwich complex**

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**11. Substitution-Modulated Anticancer Activity of Half-Sandwich Ruthenium(II) Complexes with Heterocyclic Ancillary Ligands**

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**12. Mechanistic studies on the diazo transfer reaction**

By Pandiakumar, Arun Kumar; Sarma, Siddhartha P.; Samuelson, Ashoka G.  
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**13. Titanium promoted reduction of imines with Grignards, silanes, and zinc: identification of a new mechanism with silanes**

By Kumar, Akshai; Pandiakumar, Arun Kumar; Samuelson, A. G.  
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By Thenraj, Murugesan; Samuelson, Ashoka G.  
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**15. Dinuclear zinc bis(thiosemicarbazone) complexes: Synthesis, in vitro anticancer activity, cellular uptake and DNA interaction study**

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**16. Imaging Intracellular Zinc by Using a Glyoxal Bis(4-methyl-4-phenyl-3-thiosemicarbazone) Ligand**

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**17. Computational tools for mechanistic discrimination in the reductive and metathesis coupling reactions mediated by titanium(IV) isopropoxide**

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**18. In Vitro and in Vivo Anticancer Activity of Copper Bis(thiosemicarbazone) Complexes**

By Palanimuthu, Duraipandi; Shinde, Sridevi Vijay; Somasundaram, Kumaravel; Samuelson, Ashoka G. From [Journal of Medicinal Chemistry](#) (2013), 56(3), 722-734.

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By Samuelson, A. G.; Jabadurai, J.  
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**22. Copper(I) complexes of modified nucleobases and vitamin B3 as potential chemotherapeutic agents: in vitro and in vivo studies**

By Sanghamitra, N. J. M.; Adwankar, M. K.; Juvekar, A. S.; Khurajam, V.; Wycliff, C.; Samuelson, A. G. From [Indian Journal of Chemistry, Section A: Inorganic, Bio-inorganic, Physical, Theoretical & Analytical Chemistry](#) (2011), 50A(3-4), 465-473.

**23. Chelating and bridging bis(diphenylphosphino)aniline complexes of copper(I)**

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**24. Metathesis of carbon dioxide and phenyl isocyanate catalyzed by group(IV) metal alkoxides: an experimental and computational study**

By Kumar, Akshai; Samuelson, Ashoka G.

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By Kumar, Akshai; Samuelson, Ashoka G.

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**29. Room temperature metathesis of aryl isocyanates and aromatic aldehydes catalyzed by group(IV) metal alkoxides: An experimental and computational study**

By Kumar, Akshai; Samuelson, Ashoka G.

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**30. Cytotoxicity of half sandwich ruthenium(II) complexes with strong hydrogen bond acceptor ligands and their mechanism of action**

By Das, Sangeeta; Sinha, Sarika; Britto, Ramona; Somasundaram, Kumaravel; Samuelson, Ashoka G.

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