

## Publications – Prof. Georg Süss-Fink

1. "Ein neuer Typ der Dimerisierung von Nitrilyliden"; K. Burger, K. Einhellig, G. Süss(-Fink), A. Gieren; *Angew. Chem.* 85, 169 (1973); *Angew. Chem. Int. Ed. Engl.* 12, 169 (1973).
2. "Carbonylrhenium-Cluster durch Photoreaktion von  $\text{Re}_2(\text{CO})_{10}$  mit Wasser"; M. Herberhold, G. Süss(-Fink); *Angew. Chem.* 87, 710 (1975); *Angew. Chem. Int. Ed. Engl.* 14, 700 (1975).
3. "Pentacarbonyl-monosulfan-wolfram,  $\text{W}(\text{CO})_5\text{SH}_2$ "; M. Herberhold, G. Süss(-Fink); *Angew. Chem.* 88, 375 (1976); *Angew. Chem. Int. Ed. Engl.* 15, 366 (1976).
4. "Carbonyl Complexes of Chromium, Molybdenum, and Tungsten Containing Sulphane Ligands"; M. Herberhold, G. Süss(-Fink); *J. Chem. Res. (S)*, 246 (1977); *J. Chem. Res. (M)* 2720 (1977).
5. "Vierkernige Tricarbonylrhenium-Komplexe mit sauerstoffhaltigen Brücken-liganden"; M. Herberhold, G. Süss(-Fink), J. Ellermann, H. Gäbelein; *Chem. Ber.* 111, 2931 (1978).
6. "The Reduction of Triosmium Dodecacarbonyl by Sodium Borohydride. The Preparation and X-Ray Structure of the Cluster Anion  $[\text{H}_2\text{Os}_4(\text{CO})_{12}]^{2-}$ "; B.F.G. Johnson, J. Lewis, P.R. Raithby, G.M. Sheldrick, G. Süss(-Fink); *J. Organomet. Chem.* 162, 179 (1978).
7. "The Triruthenium Cluster Anion  $[\text{HRu}_3(\text{CO})_{11}]^-$ : Preparation, Structure, and Fluxionality"; B.F.G. Johnson, J. Lewis, P.R. Raithby, G. Süss(-Fink); *J. Chem. Soc. Dalton Trans.* 1356 (1979).
8. " $\text{HRu}_3(\text{CO})_{10}(\text{COCH}_3)$ . A Cluster with an Oxygen-Containing Carbyne Ligand. Preparation, Structure, and Fluxionality"; B.F.G. Johnson, J. Lewis, A.G. Orpen, P. R. Raithby, G. Süss(-Fink); *J. Organomet. Chem.* 173, 65 (1979).
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10. "Das Clusteranion  $[\text{HRu}_3(\text{CO})_{11}]^-$  als Katalysator bei der Hydroformylierung von Ethylen und Propylen"; G. Süss-Fink; *J. Organomet. Chem.* 193, C20 (1980).
11. "Anionische Rutheniumcluster als Katalysatoren bei der Hydrosilylierung von Kohlendioxid"; G. Süss-Fink, J. Reiner; *J. Organomet. Chem.* 221, C36 (1981).
12. "The Synthesis and N-H Activation of Trinuclear Osmium Alkylidenimine Complexes. The Molecular Structure of  $\text{Os}_3(\text{CO})_{11}[\text{NHC}(\text{CH}_2)_5]$ "; G. Süss-Fink, L. Khan, P.R. Raithby; *J. Organomet. Chem.* 228, 179 (1982).
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14. "Aktivierung von Silanen an einem Rutheniumcluster: Synthese, Charakterisierung und katalytische Wirkung des Clusteranions  $[\text{HRu}_3(\text{CO})_{10}(\text{SiEt}_3)_2]^-$ "; G. Süss-Fink; *Angew. Chem.* 94, 72 (1982); *Angew. Chem. Int. Ed. Engl.* 21, 73 (1982); *Angew. Chem. Suppl.* 71 (1982).
15. "Dreikernige Rutheniumclusteranionen mit Triorganylsilyl-, germyl- und stannyl-liganden"; G. Süss-Fink, J. Ott, B. Schmidkonz, K. Guldner; *Chem. Ber.* 115, 2487 (1982).
16. "The Clusteranion  $[\text{HRu}_3(\text{CO})_{11}]^-$  as Catalyst in Hydroformylation, Hydrogenation, Silacarbonylation, and Hydrosilylation Reactions of Ethylene and Propylene"; G. Süss-Fink, J. Reiner; *J. Mol. Catal.* 16, 231 (1982).
17. "Competition between N-H and C-H Activation in the Thermolysis of  $\text{Os}_3(\text{CO})_{11}[\text{NHC}(\text{CH}_2)_5]$ . The Molecular Structure of  $\text{Os}_3(\text{CO})_9\text{-H}_2[\text{NHC}(\text{CH}_2)_4\text{C}]^-$ "; G. Süss-Fink, P.R. Raithby; *Inorg. Chim. Acta* 71, 109 (1983).

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19. "Dreikernige Ruthenium-Clusteranionen des Typs  $[\text{Ru}_3(\text{CO})_9(\text{SiR}_2\text{R}_2)(\text{PR}_3)_2]^-$ "; G. Herrmann, G. Süss-Fink; Chem. Ber. 116, 3406 (1983).
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22. "Umsetzungen von Schwefeldiimiden mit dreikernigen Osmiumclustern: Synthese, Kristallstruktur und Stereochemie von  $\text{HOs}_3(\text{CO})_8(\text{As}^i\text{Bu}) (\text{NSNAs}^i\text{Bu}_2)$ "; G. Süss-Fink, K. Guldner, M. Herberhold, A. Gieren, T. Hübner; J. Organomet. Chem. 279, 447 (1985).
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25. "Aufbau einer Propionyleinheit aus Ethylen, Wasser und einer Carbonylgruppe: Darstellung und Charakterisierung von Propionatokomplexen mit dem  $[\text{Ru}(\text{CO})_2(\text{OOCCH}_2\text{H}_5)]_2$ -Strukturelement"; G. Süss-Fink, G. Herrmann, P. Morys, J. Ellermann, A. Veit; J. Organomet. Chem. 284, 263 (1985).
26. "Festkörperstruktur, dynamische Struktureffekte und elektrochemische Charakteristika des Clusteranions  $[\text{HRu}_3(\text{CO})_{10}(\text{SiEt}_3)_2]^-$ "; H.-P. Klein, U. Thewalt, G. Herrmann, G. Süss-Fink, C. Moinet; J. Organomet. Chem. 286, 225 (1985).
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30. "Neue schwefehaltige [4.5]- Spiroheterocyclen"; G. Herrmann, G. Süss-Fink; Synthesis 422 (1986).
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42. "Modifizierung dreikerniger Rutheniumcluster mit chiralen Diphosphanliganden"; G. Süss-Fink, H. Jungbluth; J. Organomet. Chem. 352, 185 (1988).
43. Katalytische C-C- und C-N-Kupplungsreaktionen von Carbodiimiden durch Übergangsmetallcluster"; G.F. Schmidt, G. Süss-Fink; J. Organomet. Chem. 356, 207 (1988).
44. "Katalytische Hydrierung und Hydrokupplung von Acetessigsäureamiden und -estern mit dem Clusteranion [H<sub>3</sub>Ru<sub>4</sub>(CO)<sub>12</sub>]- als Katalysator"; G.F. Schmidt, J. Reiner, G. Süss-Fink; J. Organomet. Chem. 355, 379 (1988).
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49. "Site Selectivity in Substitution Reactions of the Heterobinuclear Complex (CO)<sub>4</sub>Ru(PPh<sub>2</sub>)Co(CO)<sub>3</sub>: Synthesis and Characterization of Terminal Anionic Hydrido and Halo Complexes [NEt<sub>4</sub>][X(CO)<sub>3</sub>Ru(PPh<sub>2</sub>)Co(CO)<sub>3</sub>]. X-Ray Structure of [NEt<sub>4</sub>][H(CO)<sub>3</sub>Ru(PPh<sub>2</sub>)Co(CO)<sub>3</sub>]"; S. Guesmi, P.H. Dixneuf, G. Süss-Fink, N.J. Taylor, A.J. Carty; Organometallics 8, 307 (1989).
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