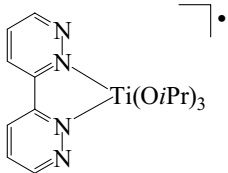
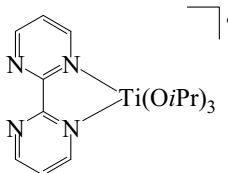
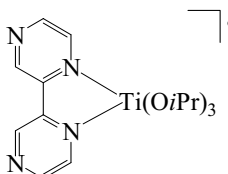
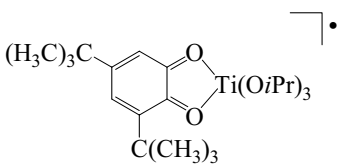
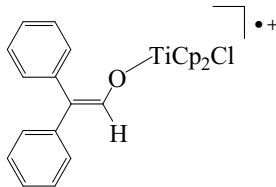
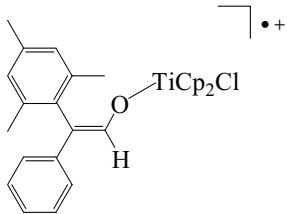
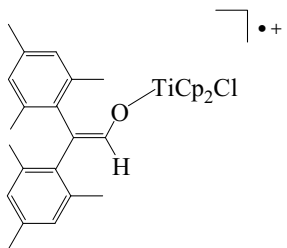
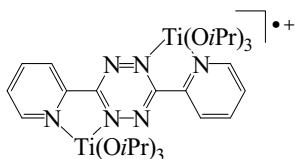
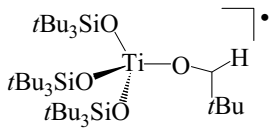
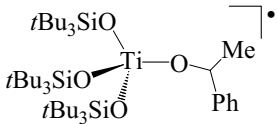
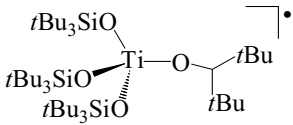
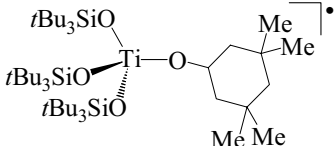
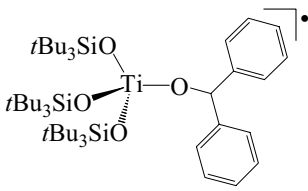
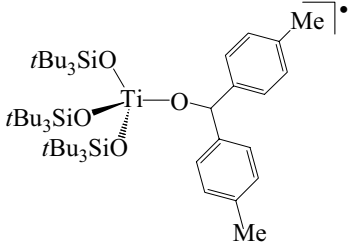
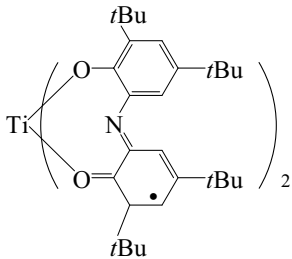
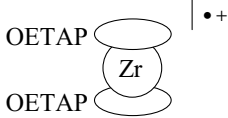
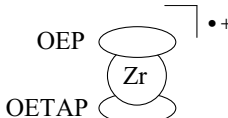


Substance	Generation / Matrix or Solvent / Method / <i>T</i> [K]	<i>g</i> -Factor / <i>a</i> -Value [mT]	Ref. / add. Ref.
3.5 Complexes of group 4 (Ti, Zr, Hf)			
$[C_{17}H_{27}N_4O_3Ti]^{\bullet}$ 	chemical reaction THF ESR / 295 electrochemistry	2.0031 ^{47,49} Ti: < 0.5	92Mos
$[C_{17}H_{27}N_4O_3Ti]^{\bullet}$ 	chemical reaction THF ESR / 295 electrochemistry	2.0023 ^{47,49} Ti: < 0.5	92Mos
$[C_{17}H_{27}N_4O_3Ti]^{\bullet}$ 	chemical reaction THF ESR / 295 electrochemistry	2.0018 ^{47,49} Ti: < 0.5	92Mos
$[C_{23}H_{41}O_5Ti]^{\bullet}$ 	chemical reaction THF, also in pentane ESR / 295 ENDOR / 193 electrochemistry	2.0043 ^{47,49} Ti: 0.064 H(1 H): 0.326 H(1 H): 0.066 H(9 H): 0.035 H(9 H): 0.005 C(3 C): 0.522	92Mos
$[C_{24}H_{21}ClOTi]^{\bullet+}$ 	chemical oxidation dichloromethane ESR / 172 electrochemistry	2.0038 H: complex hfs	96Sch1

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{27}\text{H}_{27}\text{ClOTi}]^{\bullet+}$ 	chemical oxidation dichloromethane ESR / 172 electrochemistry	2.0036 H: complex	96Sch1
$[\text{C}_{30}\text{H}_{33}\text{ClOTi}]^{\bullet+}$ 	chemical oxidation dichloromethane ESR / 172 electrochemistry	2.0043	96Sch1
$[\text{C}_{30}\text{H}_{50}\text{N}_6\text{O}_6\text{Ti}_2]^{\bullet+}$ 	chemical reaction THF ESR / 295 electrochemistry	2.0039 ^{47,49} Ti: 0.098 N(2 N): 0.443 N(2 N): 0.642	92Mos
$[\text{C}_{36}\text{H}_{44}\text{N}_4\text{O}_2\text{Ti}]^x$ $[\text{Ti}(\text{O}_2)(\text{OEP})]^{\bullet-}$ $[\text{Ti}(\text{O}_2)(\text{OEP})]^{\bullet+}$	electrolysis dichloromethane ESR / 295 dichloromethane ESR / 130 electrolysis dichloromethane ESR / 295 dichloromethane ESR / 130 electrochemistry, UV-VIS spectroelectrochemistry	2.007 2.009 2.006 2.007	84Mal

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{41}H_{91}O_4Si_3Ti]^{\bullet}$ 	chemical reaction toluene ESR / 203	2.0001 ^{47,49} Ti: 0.3 H(CH): 1.93 H(<i>t</i> Bu): 0.04 C: 4.04	92Cov
	electrochemistry, UV-VIS, IR and NMR spectroscopy, magnetic susceptibility		
$[C_{44}H_{28}N_4OTi]^x$ $[Ti(O)(TPP)]^{\bullet-}$	electrolysis dichloromethane ESR / 295	2.005	84Mal
	dichloromethane ESR / 130	2.007	
$[Ti(O)(TPP)]^{\bullet+}$	electrolysis dichloromethane ESR / 295	2.004	
	dichloromethane ESR / 130	2.005	
	electrochemistry, UV-VIS spectroelectrochemistry		
$[C_{44}H_{28}N_4O_2Ti]^x$ $[Ti(O_2)(TPP)]^{\bullet-}$	electrolysis dichloromethane ESR / 295	2.004	84Mal
	dichloromethane ESR / 130	2.010	
$[Ti(O_2)(TPP)]^{\bullet+}$	electrolysis dichloromethane ESR / 295	2.008	
	dichloromethane ESR / 130	2.010	
	electrochemistry, UV-VIS spectroelectrochemistry		

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{44}H_{89}O_4Si_3Ti]^{\bullet}$ 	chemical reaction toluene ESR / RT rapid decomposition	2.002 H: complex hfs	92Cov
$[C_{45}H_{99}O_4Si_3Ti]^{\bullet}$ 	chemical reaction toluene ESR / 213 electrochemistry, UV-VIS, IR and NMR spectroscopy, magnetic susceptibility	1.9985 ^{47,49} Ti: 0.4 C: 2.6	92Cov
$[C_{46}H_{99}O_4Si_3Ti]^{\bullet}$ 	chemical reaction toluene ESR / 218 ESR / 163 electrochemistry, UV-VIS, IR and NMR spectroscopy, magnetic susceptibility	1.9920 H($C_{\beta}H_2$): 1.6 H($C_{\beta}HH$): 3.2	92Cov
$[C_{49}H_{91}O_4Si_3Ti]^{\bullet}$ 	chemical reaction toluene ESR / 298 ESR / 373 ESR / 298 d ₁₀ -deuterated electrochemistry, UV-VIS, IR and NMR spectroscopy, magnetic susceptibility	2.0005 H: complex hfs H(o): 0.393 H(m): 0.098 H(p): 0.294 2.0006 ^{47,49} Ti: < 0.2 H: complex C: 2.7	92Cov

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{51}\text{H}_{95}\text{O}_4\text{Si}_3\text{Ti}]^\bullet$ 	chemical reaction toluene ESR / 218 electrochemistry, UV-VIS, IR and NMR spectroscopy, magnetic susceptibility	2.0004 H: complex hfs	92Cov
$[\text{C}_{56}\text{H}_{80}\text{N}_2\text{O}_4\text{Ti}]^{2\bullet}$ 	preparation from catechol and metal salt polycrystalline powder ESR / 298 crystal structure, magnetic data, electrochemistry	2.00	92Can2 94Bru
$[\text{C}_{64}\text{H}_{80}\text{N}_{16}\text{Zr}]^{\bullet+}$ 	chemical reaction dichloromethane ESR / 77 crystal structure, electrochemistry, UV-VIS, IR and NMR spectroscopy, EFISH measurements	2.005	97Col
$[\text{C}_{68}\text{H}_{84}\text{N}_{12}\text{Zr}]^{\bullet+}$ 	chemical reaction dichloromethane ESR / 77 crystal structure, electrochemistry, UV-VIS, IR and NMR spectroscopy, EFISH measurements	2.005	97Col