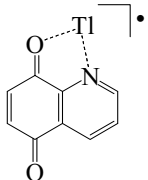
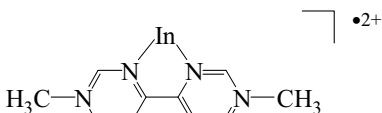
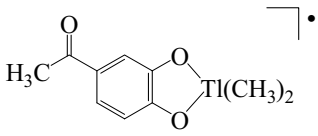
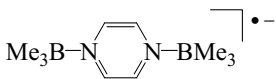
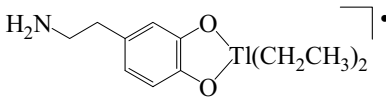
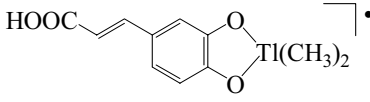
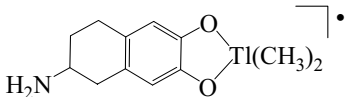
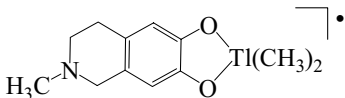
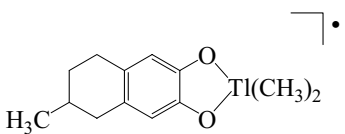
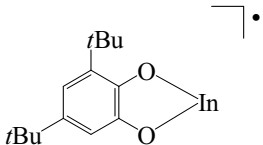
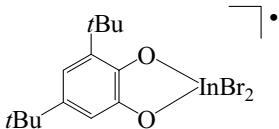
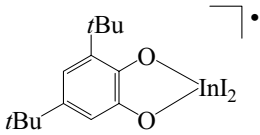
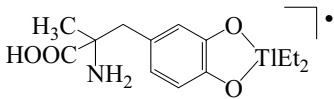
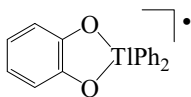
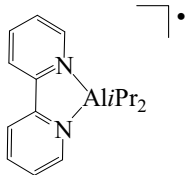
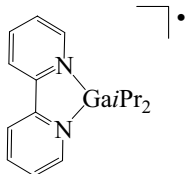
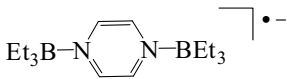
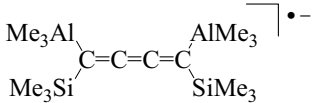
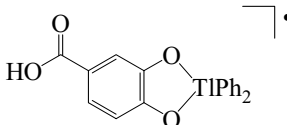
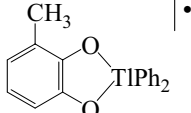
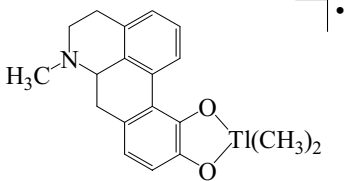
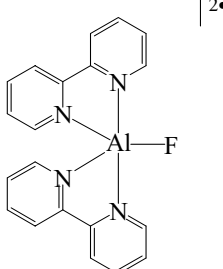
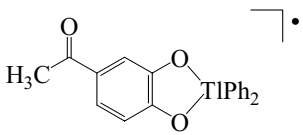
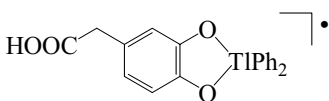
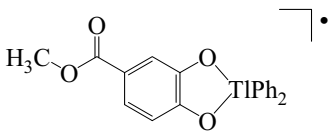
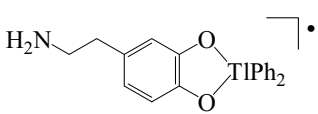
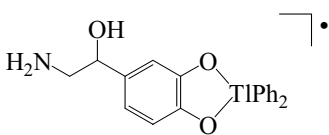
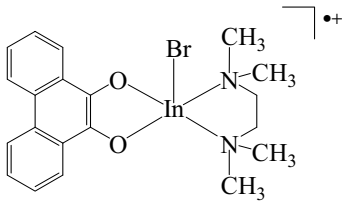


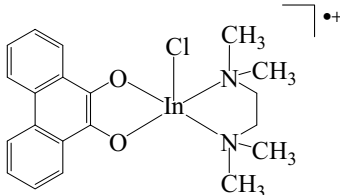
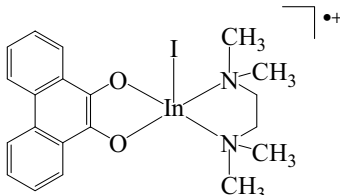
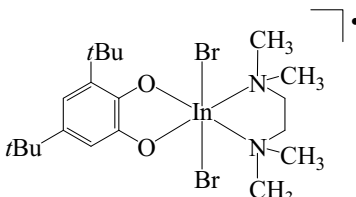
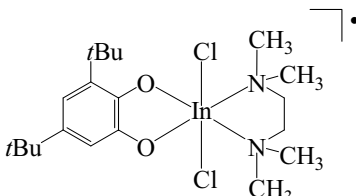
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
3.14 Complexes of group 13 (B, Al, Ga, In, Tl)			
$[\text{C}_9\text{H}_5\text{NO}_2\text{Tl}]^\bullet$ 	chemical reduction THF / HMPTA (3:1) ESR / ENDOR / 295	$^{203,205}\text{Tl}$: 3.130 H(1): 0.440 H(2): 0.170 H(3): 0.130	91Boc
electrochemistry, HMO calculations			
$[\text{C}_{10}\text{H}_{12}\text{InN}_4]^{•2+}$ 	reduction of ligand with indium metal acetonitrile ESR / RT	2.0000 ^{115}In : 0.59	94Mat
$[\text{C}_{10}\text{H}_{12}\text{O}_3\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00434 $^{203,205}\text{Tl}$: 1.995 H(3): 0.190 H(5): 0.275 H(6): 0.085	85Ste
$[\text{C}_{10}\text{H}_{22}\text{B}_2\text{N}_2]^{•-}$ 	chemical reduction THF ESR / 300 ENDOR / 305	2.0035 ^{11}B : 0.237 ^{14}N : 0.803 H(2): 0.254 H(18 H): 0.016	92Lic
electrochemistry, MO calculations			
$[\text{C}_{12}\text{H}_{19}\text{NO}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00397 $^{203,205}\text{Tl}$: 1.810 H(3): 0.050 H(5): 0.370 H(6): 0.100 H(7): 0.300	85Ste
$[\text{C}_{11}\text{H}_{12}\text{O}_4\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	$^{203,205}\text{Tl}$: 2.08 H(3): 0.043 H(5): 0.290 H(6): 0.121 H(7): 0.230 H(8): 0.121	85Ste

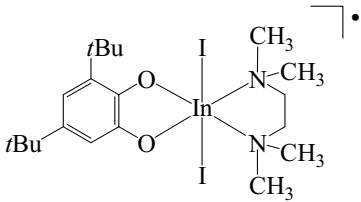
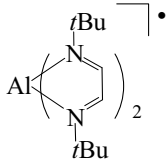
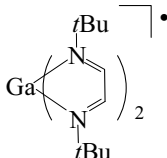
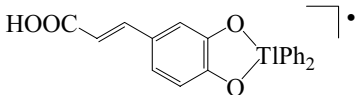
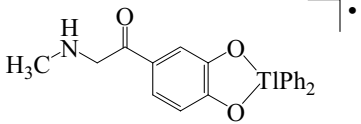
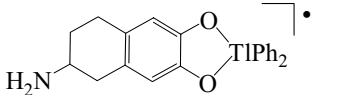
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{12}H_{17}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / RT	2.00349 $^{203,205}Tl$: 2.23 H(5,8): 0.060 H(1, ax): 0.690 H(1, eq): 0.415 H(4, ax): 0.670 H(4, eq): 0.445	85Sch
$[C_{12}H_{17}NO_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 223 pyridine ESR / RT	 $^{203,205}Tl$: 2.038 H(5,8): 0.076 H(1, ax): 0.688 H(1, eq): 0.341 H(4, ax): 0.787 H(4, eq): 0.359 2.00353 $^{203,205}Tl$: 2.228 H(5,8): 0.076	85Sch
$[C_{13}H_{18}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / RT	2.00348 $^{203,205}Tl$: 2.21 H(5,8): 0.0615 H(1, ax): 0.733 H(1, eq): 0.3805 H(4, ax): 0.724 H(4, eq): 0.4105	85Sch
$[C_{14}H_{20}InO_2]^{\bullet}$ 	chemical reaction toluene / 4-methylpyridine ESR / 298 toluene / pyridine ESR / 298	^{115}In : 0.983 H(4): 0.322 ^{115}In : 1.04 H(4): 0.340	89Ann
$[C_{14}H_{20}Br_2InO_2]^{\bullet}$ 	chemical reaction dichloromethane / 4-methylpyridine ESR / 213	2.0039 ^{115}In : 0.540 H(4): 0.320	90Ann

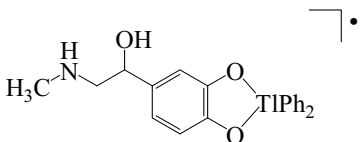
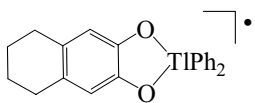
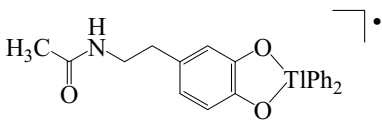
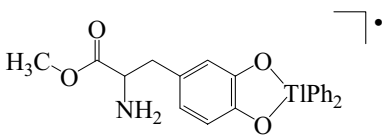
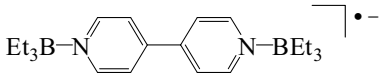
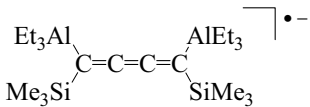
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{14}H_{20}I_2InO_2]^\bullet$ 	chemical reaction toluene / 4-methylpyridine ESR / 298 THF / 4-methylpyridine ESR / 298	^{115}In : 0.644 $H(4)$: 0.320 ^{115}In : 0.510 $H(4)$: 0.350	89Ann
$[C_{14}H_{21}NO_4Tl]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00388 $^{203,205}Tl$: 1.84 $H(3)$: 0.059 $H(5)$: 0.345 $H(6)$: 0.097 $H(7)$: 0.290 $H(7)$: 0.205	85Ste
$[C_{18}H_{14}O_2Tl]^\bullet$ 	chemical reaction pyridine ENDOR / 295 THF ENDOR / 295 toluene ENDOR / 295	$^{203,205}Tl$: 1.172 $^{203,205}Tl$: 1.400 $^{203,205}Tl$: 1.400	88Ste2
$[C_{16}H_{22}AlN_2]^\bullet$ 	chemical reaction n -pentane ESR / 295 electrochemistry, UV-VIS and mass spectroscopy	2.0028 ^{27}Al : 0.457 ^{14}N : 0.314 $H(4)$: 0.285 $H(5)$: 0.285	94Has
$[C_{16}H_{22}GaN_2]^\bullet$ 	chemical reaction n -pentane ESR / 295 electrochemistry, UV-VIS and mass spectroscopy	2.0031 ^{69}Ga : 1.332 ^{71}Ga : 1.692 ^{14}N : 0.350 $H(4)$: 0.350 $H(5)$: 0.223 $H(6)$: 0.056	94Has

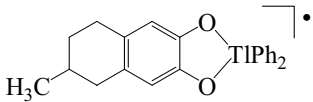
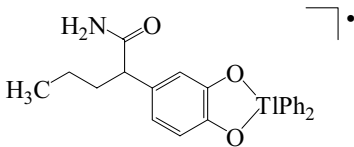
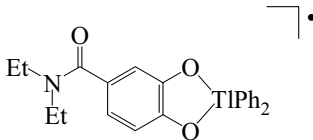
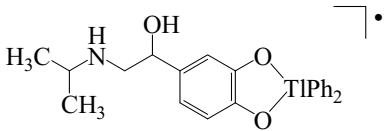
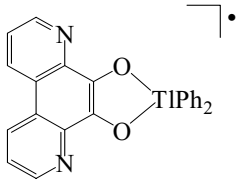
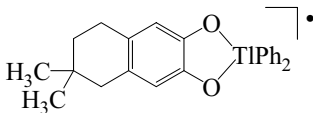
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{16}H_{34}B_2N_2]^{\bullet-}$ 	chemical reduction THF ESR / 300 ENDOR / 220 electrochemistry, MO calculations	2.0035 ^{11}B : 0.259 ^{10}B : 0.087 ^{14}N : 0.802 $H(2)$: 0.261 H : 0.008	92Lic
$[C_{16}H_{36}Al_2Si_2]^{\bullet-}$ 	chemical reaction THF ESR / 300	^{27}Al : 0.301 ^{29}Si : 0.55	88Kai
$[C_{19}H_{14}O_4Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00405 $^{203,205}Tl$: 1.07 $H(3)$: 0.128 $H(5)$: 0.323 $H(6)$: 0.075	85Ste
$[C_{19}H_{16}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ENDOR / 295	$^{203,205}Tl$: 1.295	88Ste2
$[C_{19}H_{20}NO_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00358 $^{203,205}Tl$: 2.40 $H(5)$: 0.360 $H(6)$: 0.110 $H(7)$: 0.840 $H(7)$: 0.165	85Ste
$[C_{20}H_{16}AlFN_4]^{2\bullet}$ 	chemical reaction THF ESR / 77 adamantane ESR / 77 UV-VIS, IR and ^{19}F -NMR spectroscopy	2.0031 $D = 15.7$ mT 2.0016 $D = 17.3$ mT	91Row

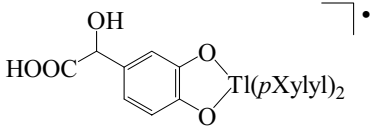
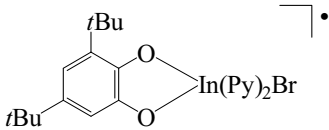
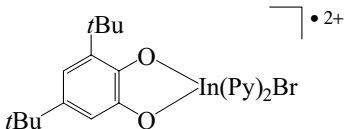
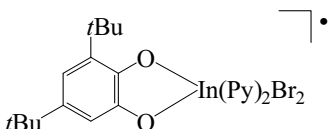
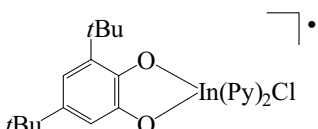
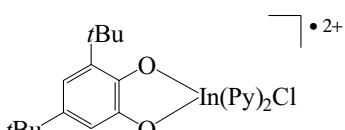
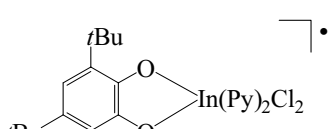
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{20}H_{16}O_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00426 $^{203,205}Ti$: 0.915 H(3): 0.178 H(5): 0.283 H(6): 0.075	85Ste
$[C_{20}H_{16}O_4Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00362 $^{203,205}Ti$: 1.12 H(3): 0.045 H(5): 0.370 H(6): 0.090 H(7): 0.320	85Ste
$[C_{20}H_{16}O_4Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00375 $^{203,205}Ti$: 1.14 H(3): 0.06 H(5): 0.360 H(6): 0.10 H(7): 0.295	85Ste
$[C_{20}H_{19}NO_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00370 $^{203,205}Ti$: 1.155 H(3): 0.040 H(5): 0.372 H(6): 0.095 H(7): 0.305	85Ste
$[C_{20}H_{19}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00366 $^{203,205}Ti$: 1.16 H(3): 0.05 H(5): 0.370 H(6): 0.09 H(7): 0.310	85Ste
$[C_{20}H_{24}BrInN_2O_2]^{\bullet+}$ or dimer 	chemical reaction toluene ESR / 298	2.0039 ^{115}In : 0.473 H(1): 0.23 H(2): 0.23 H(3): 0.21 H(4): 0.15	90Ann

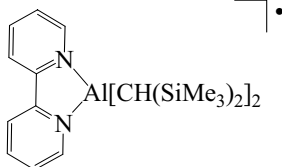
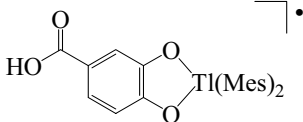
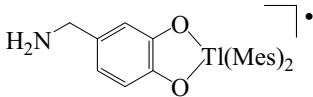
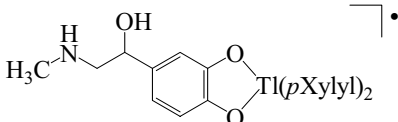
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{20}\text{H}_{24}\text{ClInN}_2\text{O}_2]^{\bullet+}$ or dimer 	chemical reaction toluene ESR / 298	2.0039 ^{115}In : 0.485 H(1): 0.23 H(2): 0.23 H(3): 0.21 H(4): 0.15	90Ann
$[\text{C}_{20}\text{H}_{24}\text{IInN}_2\text{O}_2]^{\bullet+}$ or dimer 	chemical reaction toluene ESR / 298	2.0039 ^{115}In : 0.462 H(1): 0.23 H(2): 0.23 H(3): 0.21 H(4): 0.15	90Ann
$[\text{C}_{20}\text{H}_{28}\text{B}_2\text{O}_2]^{\bullet-}$ $(\text{Mes})(\text{H}_3\text{CO})\text{B}-\text{B}(\text{OCH}_3)(\text{Mes})^{\bullet-}$	chemical reduction THF ESR / 298 crystal structure	near 2.00	97Gri
$[\text{C}_{20}\text{H}_{36}\text{Br}_2\text{InN}_2\text{O}_2]^{\bullet}$ 	chemical reaction toluene / dichloromethane ESR / 298	2.0039 ^{115}In : 0.740	90Ann
$[\text{C}_{20}\text{H}_{36}\text{Cl}_2\text{InN}_2\text{O}_2]^{\bullet}$ 	chemical reaction toluene / dichloromethane ESR / 298	2.0039 ^{115}In : 0.760	90Ann

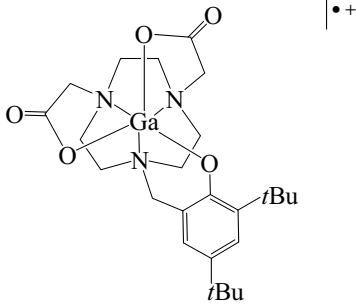
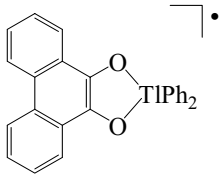
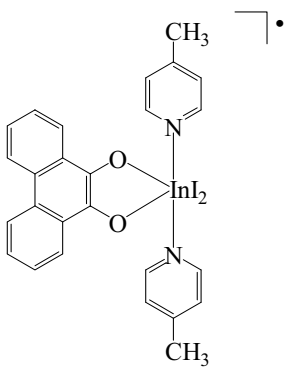
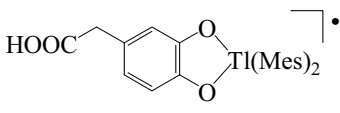
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{20}H_{36}I_2InN_2O_2]^{\bullet}$ 	chemical reaction toluene / dichloromethane ESR / 298	2.0039 ^{115}In : 0.710	90Ann
$[C_{20}H_{40}AlN_4]^{\bullet}$ 	chemical reaction hexane ESR / 298 crystal structure	2.0018 ^{27}Al : 0.5 $^{14}N(2 N)$: 0.5 $H(2 H)$: 0.5	91Kai1 90Clo
$[C_{20}H_{40}GaN_4]^{\bullet}$ 	chemical reaction hexane ESR / 298 crystal structure	2.0024 $^{69,71}Ga$: 1.8 other hfs	91Kai1 89Clo
$[C_{21}H_{16}O_4Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00372 $^{203,205}Ti$: 1.125 $H(3)$: 0.035 $H(5)$: 0.300 $H(6)$: 0.113 $H(7)$: 0.231 $H(8)$: 0.124	85Ste
$[C_{21}H_{19}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	$^{203,205}Ti$: 0.915 $H(3)$: 0.160 $H(5)$: 0.285 $H(6)$: 0.065	85Ste
$[C_{22}H_{21}O_2NTi]^{\bullet}$ 	chemical reaction pyridin ESR / RT	$^{203,205}Ti$: 1.17 $H(5,8)$: 0.055 $H(1, ax)$: 0.722 $H(1, eq)$: 0.417 $H(4, ax)$: 0.702 $H(4, eq)$: 0.459	85Sch

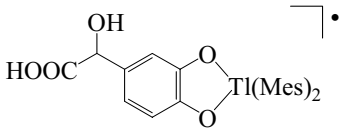
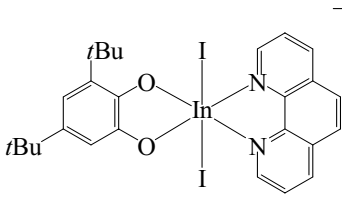
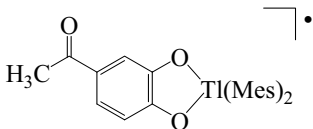
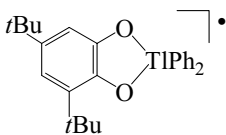
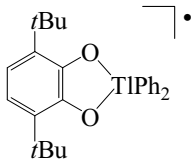
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{21}H_{21}NO_3Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00361 ^{203,205} Tl: 1.16 H(3): 0.05 H(5): 0.365 H(6): 0.09 H(7): 0.305	85Ste
$[C_{22}H_{20}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / RT	2.00346 ^{203,205} Tl: 1.19 H(5,8): 0.055 H(1): 0.57 H(4): 0.57	85Sch
$[C_{22}H_{21}NO_3Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00366 ^{203,205} Tl: 1.135 H(3): 0.045 H(5): 0.370 H(6): 0.100 H(7): 0.310	85Ste
$[C_{22}H_{21}NO_4Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00362 ^{203,205} Tl: 1.19 H(3): 0.05 H(5): 0.365 H(6): 0.10 H(7): 0.295 H(7): 0.245	85Ste
$[C_{22}H_{38}B_2N_2]^{\bullet-}$ 	chemical reduction THF ESR / 300 ENDOR / 200 electrochemistry, MO calculations	2.0032 ¹¹ B: 0.138 ¹⁰ B: 0.046 ¹⁴ N: 0.420 H(2): 0.078 H(3): 0.203 H: 0.004	92Lic
$[C_{22}H_{48}Al_2Si_2]^{\bullet-}$ 	chemical reaction THF ESR / 300	²⁷ Al: 0.309 ²⁹ Si: 0.55	88Kai

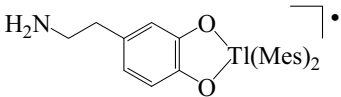
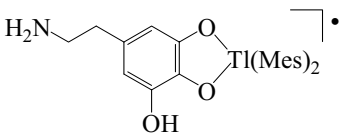
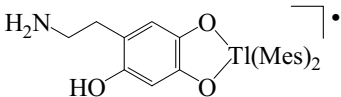
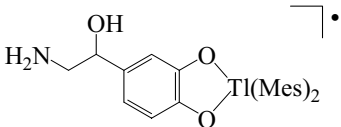
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{23}H_{22}O_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / RT	2.00345 ^{203,205} Tl: 1.187 H(5,8): 0.0555 H(1, ax): 0.755 H(1, eq): 0.3815 H(4, ax): 0.750 H(4, eq): 0.4165	85Sch
$[C_{23}H_{23}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 298	2.00378 ^{203,205} Tl: 1.033 H(3): 0.052 H(5): 0.360 H(6): 0.093 H(7): 0.123 H(8): 0.0125	85Ste
$[C_{23}H_{23}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00383 ^{203,205} Tl: 1.15 H(3): 0.097 H(5): 0.335 H(6): 0.085	85Ste
$[C_{23}H_{25}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00361 ^{203,205} Tl: 1.165 H(3): 0.053 H(5): 0.365 H(6): 0.091 H(7): 0.311 ¹⁴ N: 0.0155	85Ste
$[C_{24}H_{16}TiN_2O_2]^{\bullet}$ 	electrochemically generated THF ESR / 295 HMO calculations	2.0041 ^{203,205} Tl: 0.25	92Boc1
$[C_{24}H_{24}O_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / RT	2.00348 ^{203,205} Tl: 1.185 H(5,8): 0.056 H(1): 0.550 H(4): 0.580	85Sch

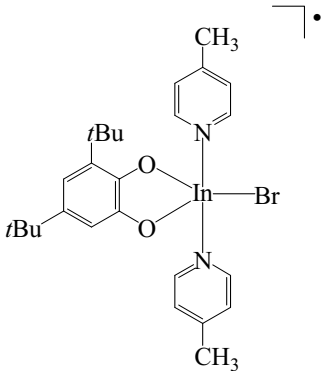
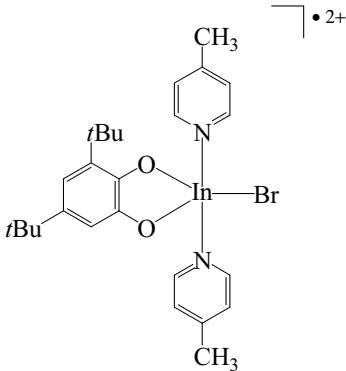
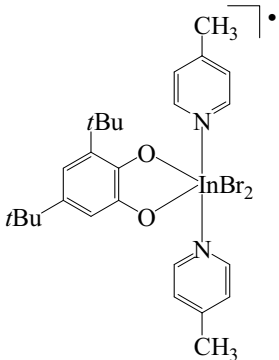
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{24}H_{24}O_5Tl]^{\bullet}$ 	chemical reaction pyridine / triethanolamine ESR / 298	2.00359 ^{203,205} Tl: 1.90 H(3): 0.042 H(5): 0.380 H(6): 0.084 H(7): 0.362	85Ste
$[C_{24}H_{30}BrInN_2O_2]^{\bullet}$ 	chemical reaction toluene ESR / 298	2.0039 ¹¹⁵ In: 1.014 H(4): 0.319	90Ann
$[C_{24}H_{30}BrInN_2O_2]^{\bullet 2+}$ 	chemical reaction toluene / dichloromethane ESR / 298	2.0039 ¹¹⁵ In: 0.633 H(4): 0.353	90Ann
$[C_{24}H_{30}Br_2InN_2O_2]^{\bullet}$ 	chemical reaction THF ESR / 298	2.0039 ¹¹⁵ In: 0.513 H(4): 0.385 H(5): 0.034	90Ann
$[C_{24}H_{30}ClInN_2O_2]^{\bullet}$ 	chemical reaction toluene ESR / 298	2.0039 ¹¹⁵ In: 1.072 H(4): 0.331	90Ann
$[C_{24}H_{30}ClInN_2O_2]^{\bullet 2+}$ 	chemical reaction toluene / dichloromethane ESR / 298	2.0039 ¹¹⁵ In: 0.651 H(4): 0.348	90Ann
$[C_{24}H_{30}Cl_2InN_2O_2]^{\bullet}$ 	chemical reaction THF ESR / 298	2.0039 ¹¹⁵ In: 0.638 H(4): 0.331 H(5): 0.031	90Ann

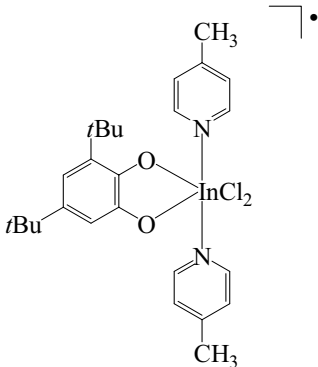
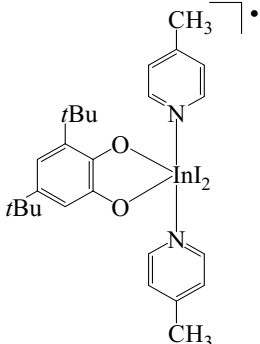
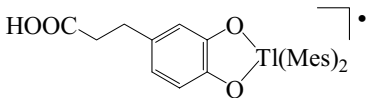
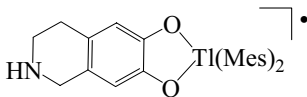
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{24}H_{46}AlN_2Si_4]^{\bullet}$ 	chemical reaction <i>n</i> -pentane ESR / 295	2.0030 ²⁷ Al: 0.400 N: 0.299 H(3): 0.027 H(4): 0.304 H(5): 0.269 H(6): 0.027	94Has
electrochemistry, UV-VIS and mass spectroscopy			
$[C_{25}H_{26}O_4Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00377 ^{203,205} Tl: 2.25 H(3): 0.120 H(5): 0.325 H(6): 0.066	85Ste
$[C_{25}H_{29}NO_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00330 ^{203,205} Tl: 2.190 H(3): 0.032 H(5): 0.375 H(6): 0.075 H(7): 0.450	85Ste
$[C_{25}H_{29}NO_3Tl]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 298	^{203,205} Tl: 1.78 H(3): 0.048 H(5): 0.364 H(6): 0.091 H(7): 0.317 H(8): 0.007	85Ste

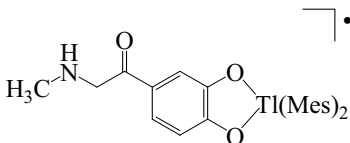
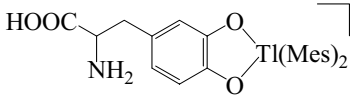
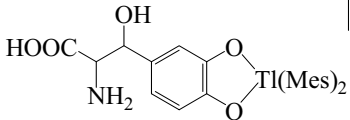
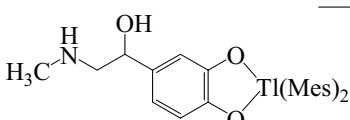
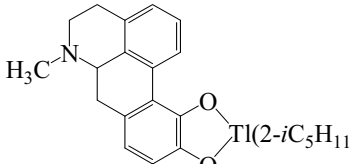
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{25}H_{38}N_3O_5Ga]^{•+}$ 	electrochemically generated acetonitrile ESR / 50 electrochemistry, UV-VIS spectroscopy	2.006	01Kim
$[C_{26}H_{18}O_2Tl]^{•}$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0034 ^{203,205} Tl: 0.740 H(1,8): 0.159 H(2,7): 0.039 H(3,6): 0.171 H(4,5): 0.037	88Ste2
$[C_{26}H_{22}I_2InN_2O_2]^{•}$ 	chemical reaction THF ESR / 300	2.0036 ¹¹⁵ In: 0.26 H: 0.225 H: 0.135	98Bro2
$[C_{26}H_{28}O_4Tl]^{•}$ 	chemical reaction pyridine ESR / 298	2.00328 ^{203,205} Tl: 2.19 H(3): 0.045 H(5): 0.375 H(6): 0.075 H(7): 0.330	85Ste

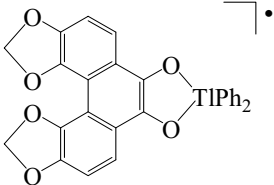
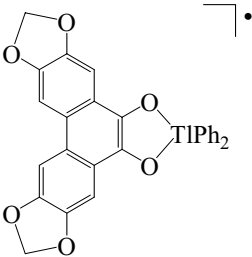
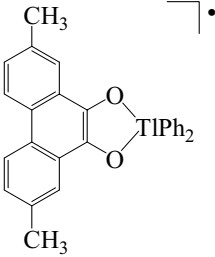
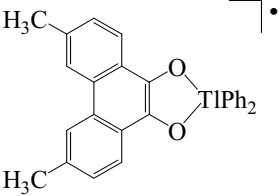
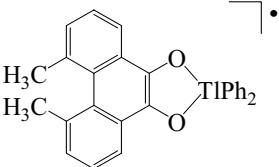
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{26}H_{28}O_5Tl]^{\bullet}$ 	chemical reaction pyridine / triethanolamine ESR / 298	2.00315 $^{203,205}Tl$: 2.30 H(3): 0.037 H(5): 0.365 H(6): 0.07 H(7): 0.365	85Ste
$[C_{26}H_{28}I_2InN_2O_2]^{\bullet}$ 	chemical reaction toluene ESR / 298	^{115}In : 0.745 H(4): 0.350	89Ann
$[C_{26}H_{28}O_3Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00397 $^{203,205}Tl$: 2.11 H(3): 0.159 H(5): 0.293 H(6): 0.066	85Ste
$[C_{26}H_{30}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ENDOR / 295 THF ENDOR / 295 toluene ENDOR / 295	$^{203,205}Tl$: 1.455 $^{203,205}Tl$: 1.645 $^{203,205}Tl$: 2.120	88Ste2
$[C_{26}H_{30}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ENDOR / 295 THF ENDOR / 295 toluene ENDOR / 295	$^{203,205}Tl$: 2.000 $^{203,205}Tl$: 2.120 $^{203,205}Tl$: 2.840	88Ste2

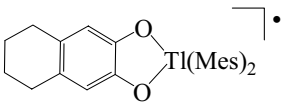
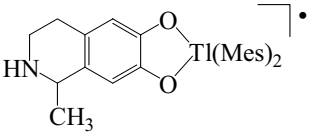
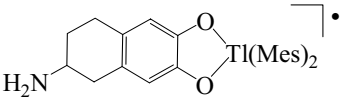
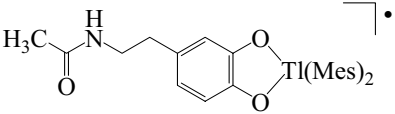
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{26}\text{H}_{31}\text{NO}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298 ethanol ESR / 298 pyridine / water ESR / 298	2.00328 ^{203,205} Tl: 2.150 H(3): 0.030 H(5): 0.380 H(6): 0.085 H(7): 0.310 2.00329 ^{203,205} Tl: 2.180 H(3): 0.030 H(5): 0.375 H(6): 0.085 H(7): 0.305 2.00329 ^{203,205} Tl: 1.930 H(3): 0.030 H(5): 0.370 H(6): 0.080 H(7): 0.320	85Ste
$[\text{C}_{26}\text{H}_{31}\text{NO}_3\text{Tl}]^\bullet$ 	chemical reaction 2-methyl-THF ESR / 298	2.00365 ^{203,205} Tl: 1.602 ^{203,205} Tl: 1.419 H(3): 0.064 H(6): 0.096 H(7): 0.255	85Ste
$[\text{C}_{26}\text{H}_{31}\text{NO}_3\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00263 ^{203,205} Tl: 1.488 H(3): 0.060 H(5): 0.060 H(7): 0.393	85Ste
$[\text{C}_{26}\text{H}_{31}\text{NO}_3\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00396 ^{203,205} Tl: 2.16 H(3): 0.045 H(5): 0.370 H(6): 0.08 H(7): 0.330	85Ste

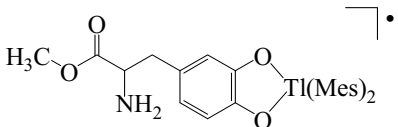
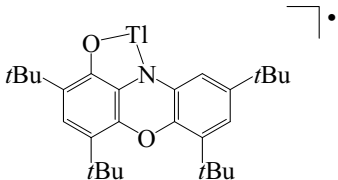
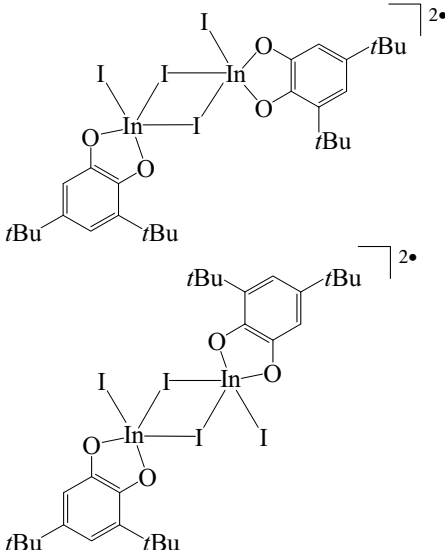
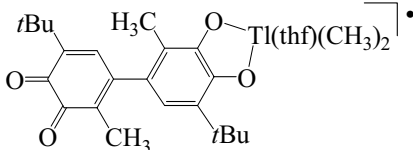
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{26}\text{H}_{34}\text{BrInN}_2\text{O}_2]^\bullet$ 	chemical reaction toluene ESR / 298	2.0039 ^{115}In : 0.990 H(4): 0.320	90Ann
$[\text{C}_{26}\text{H}_{34}\text{BrInN}_2\text{O}_2]^{\bullet 2+}$ 	chemical reaction toluene / dichloromethane ESR / 298	2.0039 ^{115}In : 0.547 H(4): 0.320 H(5): 0.037	90Ann
$[\text{C}_{26}\text{H}_{34}\text{Br}_2\text{InN}_2\text{O}_2]^\bullet$ 	chemical reaction benzene ESR / 298 toluene ESR / 298 crystal structure	2.0039 ^{115}In : 0.577 H(4): 0.361 ^{115}In : 0.547 H(4): 0.320 H(5): 0.037	90Ann

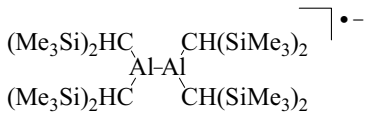
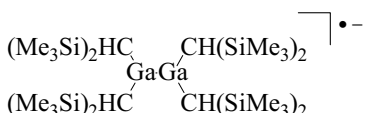
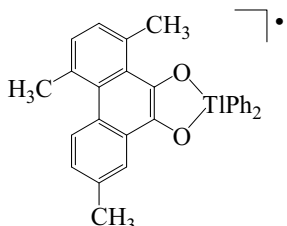
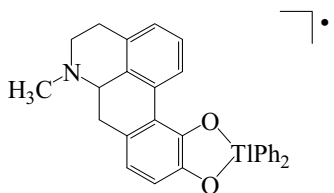
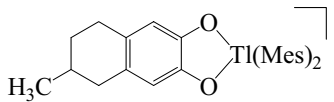
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{26}H_{34}Cl_2InN_2O_2]^{\bullet}$ 	chemical reaction benzene ESR / 298	2.0039 ^{115}In : 0.611 H(4): 0.353	90Ann
$[C_{26}H_{34}I_2InN_2O_2]^{\bullet}$ 	chemical reaction toluene ESR / 300 crystal structure	2.00391 ^{115}In : 0.486 H(4): 0.342 H(5): 0.036	96Bro2
$[C_{27}H_{30}O_4Tl]^{\bullet}$ 	chemical reaction 2-methyl-THF ESR / 298	2.003295 $^{203,205}Tl$: 2.28 H(3): 0.03 H(5): 0.373 H(6): 0.083 H(7): 0.340	85Ste
$[C_{27}H_{31}NO_2Tl]^{\bullet}$ 	chemical reaction dichloromethane ESR / 172 dichloromethane ESR / RT	H(1, ax): 0.73 H(1, eq): 0.4 H(4, ax): 0.85 H(4, eq): 0.34 2.00296 $^{203,205}Tl$: 2.34 H(5,8): 0.044 H(1): 0.552 H(4): 0.584	85Sch 85Sch
(continued)			

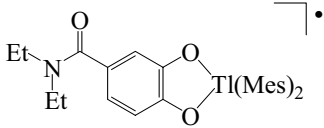
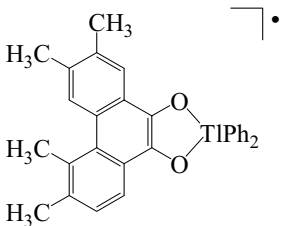
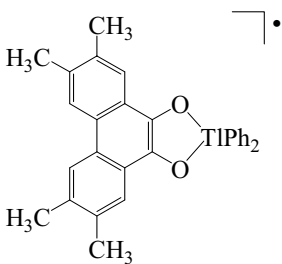
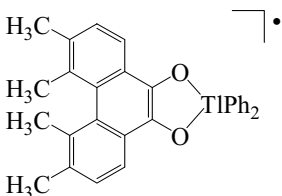
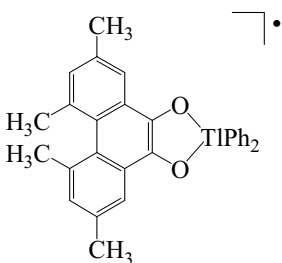
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{27}H_{31}NO_2Ti]^{\bullet}$ (<i>continued</i>)	pyridine ESR / RT	2.00308 $^{203,205}Ti$: 2.172 H(5,8): 0.046 H(1): 0.549 H(4): 0.576	
$[C_{27}H_{31}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00396 $^{203,205}Ti$: 2.14 H(3): 0.160 H(5): 0.290 H(6): 0.070 H(2 H): 0.03	85Ste
$[C_{27}H_{31}NO_4Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00342 $^{203,205}Ti$: 2.10 H(3): 0.039 H(5): 0.365 H(6): 0.080 H: 0.091 H: 0.562	85Ste
$[C_{27}H_{31}NO_5Ti]^{\bullet}$ 	chemical reaction pyridine / water ESR / 298	2.00335 $^{203,205}Ti$: 2.02 H(3): 0.040 H(5): 0.360 H(6): 0.080 H(7): 0.470	85Ste
$[C_{27}H_{33}NO_3Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00335 $^{203,205}Ti$: 2.18 H(3): 0.04 H(5): 0.370 H(6): 0.075 H(7): 0.323	85Ste
$[C_{27}H_{37}NO_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00367 $^{203,205}Ti$: 2.70 H(5): 0.365 H(6): 0.110 H(7): 0.855 H(7): 0.169	85Ste

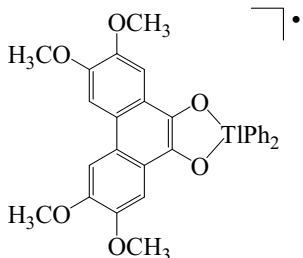
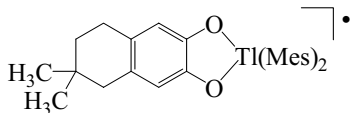
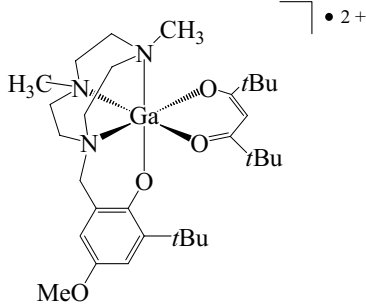
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{28}\text{H}_{18}\text{O}_6\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0033 $^{203,205}\text{Tl}$: 0.717 H(1,8): 0.219 H(2,7): 0.056 H(CH ₂): 0.042	88Ste2
$[\text{C}_{28}\text{H}_{18}\text{O}_6\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0032 $^{203,205}\text{Tl}$: 0.825 H(1,8): 0.146 H(4,5): 0.023 H(CH ₂): 0.007	88Ste2
$[\text{C}_{28}\text{H}_{22}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0034 $^{203,205}\text{Tl}$: 0.782 H(1,8): 0.166 H(2,7): 0.038 H(3,6): 0.166 H(4,5): 0.038	88Ste2
$[\text{C}_{28}\text{H}_{22}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0033 $^{203,205}\text{Tl}$: 0.805 H(1,8): 0.160 H(2,7): 0.040 H(3,6): 0.188 H(4,5): 0.036	88Ste2
$[\text{C}_{28}\text{H}_{22}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0035 $^{203,205}\text{Tl}$: 0.515 H(1,8): 0.177 H(2,7): 0.047 H(3,6): 0.177 H(4,5): 0.038	88Ste2

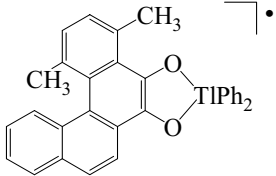
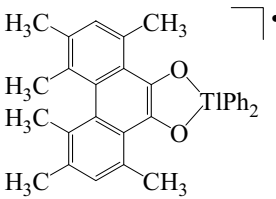
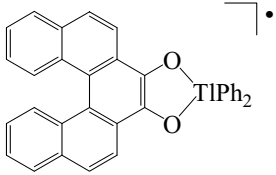
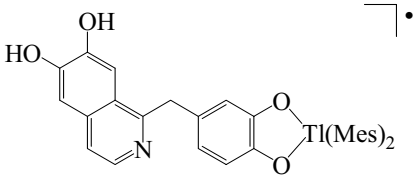
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{28}H_{32}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / RT ethylchloride / methylpentane ESR / 123 dichloromethane ESR / RT	2.00305 ^{203,205} Tl: 2.15 H(5,8): 0.044 H(1): 0.583 H(4): 0.583 H(1, ax): 0.87 H(1, eq): 0.36 H(4, ax): 0.87 H(4, eq): 0.36 2.00292 ^{203,205} Tl: 2.295 H(5,8): 0.037 H(1): 0.595 H(4): 0.595	85Sch
$[C_{28}H_{33}NO_2Tl]^{\bullet}$ 	chemical reaction ether ESR / 223	2.00327 ^{203,205} Tl: 2.36 H(1, ax): 0.612 H(4, ax): 0.75 H(4, eq): 0.412	85Sch
$[C_{28}H_{33}NO_2Tl]^{\bullet}$ 	chemical reaction dichloromethane ESR / RT pyridine ESR / RT	2.00297 ^{203,205} Tl: 2.33 H(5,8): 0.043 H(1, ax): 0.725 H(1, eq): 0.430 H(4, ax): 0.725 H(4, eq): 0.465 2.00311 ^{203,205} Tl: 2.15 H(5,8): 0.043 H(1, ax): 0.726 H(1, eq): 0.431 H(4, ax): 0.708 H(4, eq): 0.470	85Sch
$[C_{28}H_{33}NO_3Tl]^{\bullet}$  (continued)	chemical reaction pyridine ESR / 298	2.00336 ^{203,205} Tl: 2.140 H(3): 0.035 H(5): 0.370 H(6): 0.085 H(7): 0.315	85Ste

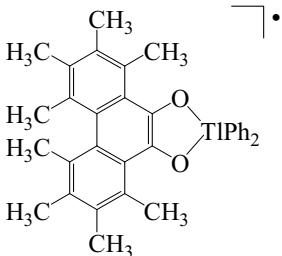
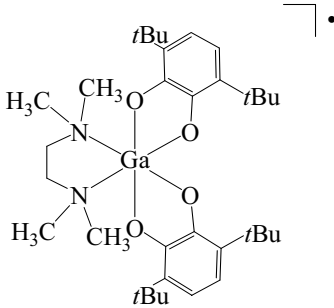
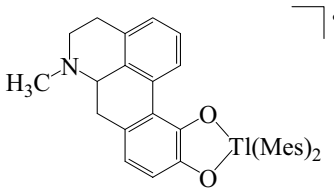
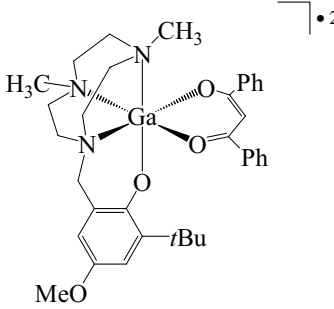
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{28}\text{H}_{33}\text{NO}_3\text{Tl}]^\bullet$ (<i>continued</i>)	ethanol ESR / 298	2.00329 $^{203,205}\text{Tl}$: 2.180 H(3): 0.030 H(5): 0.375 H(6): 0.85 H(7): 0.305	
$[\text{C}_{28}\text{H}_{33}\text{NO}_4\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00333 $^{203,205}\text{Tl}$: 2.20 H(3): 0.04 H(5): 0.365 H(6): 0.082 H(7): 0.300 H(7): 0.250	85Ste
$[\text{C}_{28}\text{H}_{39}\text{NO}_2\text{Tl}]^\bullet$ 	chemical reduction toluene ESR / 298	$^{203,205}\text{Tl}$: 4.70 ^{14}N : 0.67 H(3): 0.28 H(7): 0.35 H(9): 0.24	89Kar
$[\text{C}_{28}\text{H}_{40}\text{I}_4\text{In}_2\text{O}_4]^{2\bullet}$ 	chemical reaction THF ESR / 300	2.0032 ^{115}In : 0.893/0.850 H(4): 0.365 D : 10.3 (100 K)	98Bro2
$[\text{C}_{28}\text{H}_{40}\text{O}_5\text{Tl}]^\bullet$ 	chemical reaction THF ESR / RT	2.0039 $^{203,205}\text{Tl}$: 2.8 H(1 H): 0.31 H(6 H): 0.06	98Aba

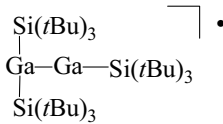
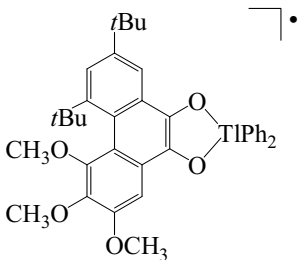
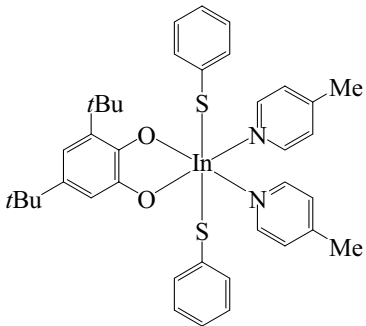
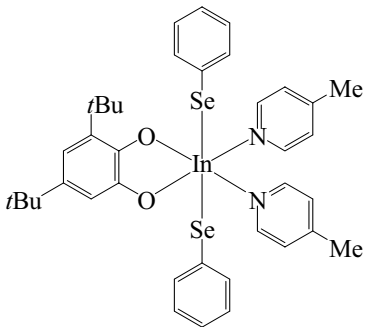
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{28}H_{76}Al_2Si_8]^{\bullet-}$ 	chemical reaction THF ESR / 333	2.0035 ^{27}Al : 1.19 ^{29}Si : 0.4	93Plu
	chemical reaction diethylether ESR / 295 and 110 UV-VIS and IR spectroscopy	2.0025 ^{27}Al : 1.11 ^{29}Si : 0.435	93Uhl
$[C_{28}H_{76}Ga_2Si_8]^{\bullet-}$ 	chemical reaction 1,2-dimethoxyethane ESR / 310	2.0037 ^{69}Ga : 5.74 ^{71}Ga : 7.28 ^{29}Si : 0.53	95Uhl
	crystal structure, UV-VIS and IR spectroscopy		
$[C_{29}H_{24}O_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0033 $^{203,205}Ti$: 1.00 H : 0.181 H : 0.166 H : 0.043 H : 0.027	88Ste2
$[C_{29}H_{25}NO_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / 298	2.00357 $^{203,205}Ti$: 1.355 $H(5)$: 0.365 $H(6)$: 0.105 $H(7)$: 0.860 $H(7)$: 0.180	85Ste
$[C_{29}H_{34}O_2Ti]^{\bullet}$ 	chemical reaction pyridine ESR / RT	2.00307 $^{203,205}Ti$: 2.145 $H(5,8)$: 0.045 $H(1, ax)$: 0.765 $H(1, eq)$: 0.390 $H(4, ax)$: 0.759 $H(4, eq)$: 0.427	85Sch

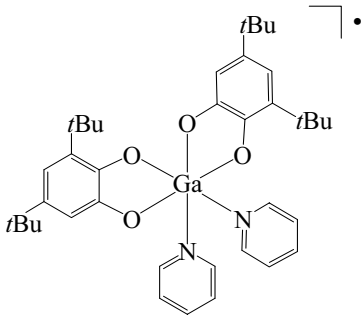
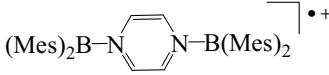
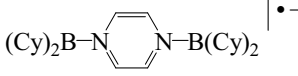
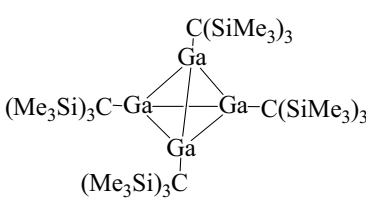
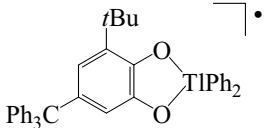
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{29}\text{H}_{35}\text{NO}_3\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / 298	2.00360 ^{203,205} Tl: 2.16 H(3): 0.085 H(5): 0.335 H(6): 0.085	85Ste
$[\text{C}_{30}\text{H}_{26}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0033 ^{203,205} Tl: 0.740 H(1,8): 0.167 H(2,7): 0.043 H(3,6): 0.197 H(4,5): 0.038	88Ste2
$[\text{C}_{30}\text{H}_{26}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0033 ^{203,205} Tl: 0.845 H(1,8): 0.165 H(2,7): 0.038 H(3,6): 0.192 H(4,5): 0.038	88Ste2
$[\text{C}_{30}\text{H}_{26}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0034 ^{203,205} Tl: 0.489 H(1,8): 0.177 H(2,7): 0.050 H(3,6): 0.186 H(4,5): 0.040	88Ste2
$[\text{C}_{30}\text{H}_{26}\text{O}_2\text{Tl}]^\bullet$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0034 ^{203,205} Tl: 0.560 H(1,8): 0.170 H(2,7): 0.042 H(3,6): 0.179 H(4,5): 0.042	88Ste2

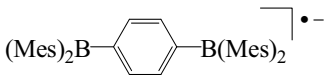
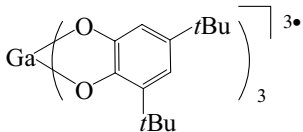
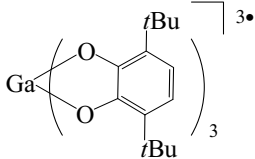
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{30}H_{26}O_6Tl]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0032 $^{203,205}Tl$: 0.875 H(1,8): 0.145 H(2,7): 0.005 H(3,6): 0.018 H(4,5): 0.018	88Ste2
$[C_{30}H_{36}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / RT dichloromethane ESR / 156 dichloromethane ESR / RT	2.00313 $^{203,205}Tl$: 2.12 H(5,8): 0.045 H(1): 0.558 H(4): 0.593 H(1, ax): 0.881 H(1, eq): 0.298 H(4, ax): 0.838 H(4, eq): 0.449 2.00303 $^{203,205}Tl$: 2.25 H(5,8): 0.036 H(1): 0.560 H(4): 0.600	85Sch 85Sch 85Sch
$[C_{31}H_{53}GaN_3O_4]^{\bullet 2+}$ 	electrochemically generated dichloromethane ESR / 4–70 d ₂ -deuterated electrochemistry, UV-VIS and resonance Raman spectroscopy	2.004 ^{69}Ga : 0.258 ^{71}Ga : 0.215 ^{14}N : 0.214 H(CH ₂): 0.338 H(benzylic): 0.189 H(benzylic): 0.143 H(CH ₃): 0.221 H(CD ₂): 0.052	00Mül

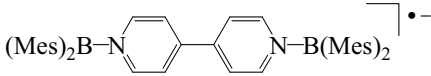
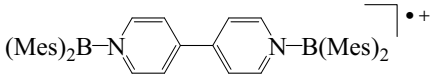
Substance	Generation / Matrix or Solvent / Method / <i>T</i> [K]	<i>g</i> -Factor / <i>a</i> -Value [mT]	Ref. / add. Ref.
$[C_{32}H_{24}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ENDOR / 293	$^{203,205}Tl$: 0.739 H: 0.175 H: 0.143 H: 0.088 H: 0.061 H: 0.027	88Ste2
$[C_{32}H_{30}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 293	$^{203,205}Tl$: 0.875 H(1,8): 0.193 H(2,7): 0.038 H(3,6): 0.193 H(4,5): 0.038	88Ste2
$[C_{33}H_{38}B_2]^{\bullet-}$ $(Mes)PhB-B(Mes)_2]^{\bullet-}$	chemical reduction THF ESR / 298 crystal structure	^{11}B (2 B): 1.3	97Gri
$[C_{34}H_{22}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ENDOR / 293	$^{203,205}Tl$: 0.607 H: 0.077 H: 0.053 H: 0.020	88Ste2
$[C_{34}H_{33}NO_4Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	$^{203,205}Tl$: 2.17 H(3): 0.030 H(5): 0.364 H(6): 0.090 H: 0.387 H: 0.405	85Ste

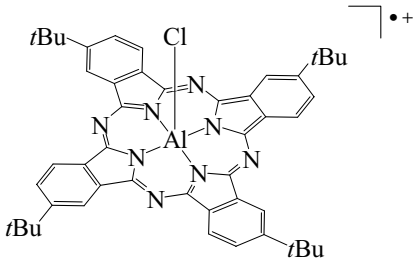
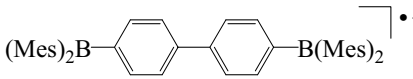
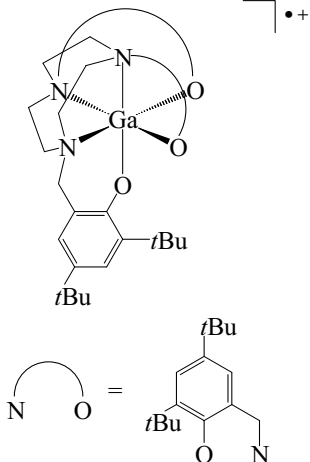
Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{34}H_{34}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0032 $^{203,205}Tl$: 0.980 H(1,8): 0.182 H(2,7): 0.043 H(3,6): 0.192 H(4,5): 0.042	88Ste2
$[C_{34}H_{56}GaN_2O_4]^{\bullet}$ 	chemical reaction toluene ESR / 210 UV-VIS and IR spectroscopy	2.003 $^{69,71}Ga$: 0.66 H(4 H): 0.188	94Lan
$[C_{35}H_{37}NO_2Tl]^{\bullet}$ 	chemical reaction pyridine ESR / 298	$^{203,205}Tl$: 2.425 H(5): 0.360 H(6): 0.098 H(7): 0.870 H(7): 0.180	85Ste
$[C_{35}H_{45}GaN_3O_4]^{\bullet 2+}$ 	electrochemically generated dichloromethane ESR / 298 d ₂ -deuterated crystal structure, electrochemistry, UV-VIS and resonance Raman spectroscopy	2.004 ^{69}Ga : 0.258 ^{71}Ga : 0.215 ^{14}N : 0.214 H(CH ₂): 0.338 H(benzylic): 0.189 H(benzylic): 0.143 H(CH ₃): 0.221 H(CD ₂): 0.052	00Mül

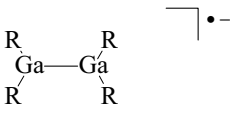
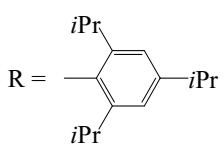
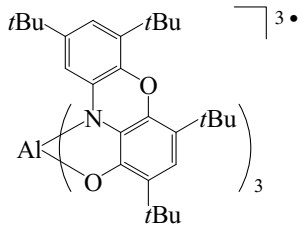
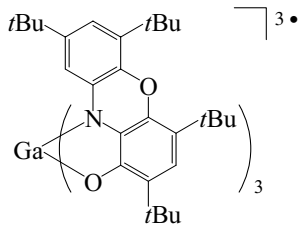
Substance	Generation / Matrix or Solvent / Method / <i>T</i> [K]	<i>g</i> -Factor / <i>a</i> -Value [mT]	Ref. / add. Ref.
$[C_{36}H_{81}Ga_2Si_3]^{\bullet}$ 	chemical reaction pentane ESR / 298 crystal structure	2.0035 ⁶⁹ Ga: 5.0 ⁷¹ Ga: 6.4 ⁶⁹ Ga: 3.2 ⁷¹ Ga: 4.1	97Wib
$[C_{37}H_{40}O_5Tl]^{\bullet}$ 	chemical reaction pyridine ESR / ENDOR / 293	2.0033 ^{203,205} Tl: 0.632 H(1,8): 0.164 H(3,6): 0.176	88Ste2
$[C_{38}H_{44}InN_2O_2S_2]^{\bullet}$ 	chemical reaction toluene ESR / 298	¹¹⁵ In: 0.651 H(4): 0.353	89Ann
$[C_{38}H_{44}InN_2O_2Se_2]^{\bullet}$ 	chemical reaction toluene ESR / 298	¹¹⁵ In: 0.606 H(4): 0.325	89Ann

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{38}H_{50}GaN_2O_4]^{\bullet}$ 	chemical reaction pyridine ESR / 363 magnetic susceptibility	2.003 ^{71}Ga : 0.740 H: 0.184	93Oza
$[C_{40}H_{48}B_2N_2]^{\bullet+}$ 	chemical oxidation dichloromethane ESR / 233 ENDOR / 190 electrochemistry, MO calculations	2.0029 ^{11}B : 0.081 ^{14}N : 0.42 H(2): 0.315 H: 0.019	92Lic 93Lic
$[C_{40}H_{70}B_2N_2]^{\bullet-}$ 	chemical reduction THF ESR / 300 electrochemistry, MO calculations	2.0034 ^{11}B : 0.24 ^{14}N : 0.805 H(2): 0.24	92Lic
$[C_{40}H_{108}Ga_4Si_{12}]^{\bullet-}$ 	electrochemically generated THF ESR / 280	2.0023 ^{69}Ga : 1.93 ^{71}Ga : 2.45	96Haa
$[C_{41}H_{36}O_2Tl]^{\bullet}$ 	chemical reaction pyridine ENDOR / 295 THF ENDOR / 295 toluene ENDOR / 295	 $^{203,205}Tl$: 1.525 $^{203,205}Tl$: 1.780 $^{203,205}Tl$: 2.320	88Ste2

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{42}\text{H}_{48}\text{B}_2]^{\bullet-}$ 	chemical reduction THF ESR / 300 ENDOR / 180 electrochemistry, MO calculations	2.0024 ^{11}B : 0.3 $\text{H}(2)$: 0.119 H : 0.029	92Lic
$[\text{C}_{42}\text{H}_{60}\text{GaO}_6]^3\bullet$ 	chemical reaction toluene ESR / 77 crystal structure, magnetic susceptibility	2.003 $^{69,71}\text{Ga}$: present (theoretical simulation of triradical EPR spectrum) $g = 4$ ($\Delta M = 2$) $g = 6$ ($\Delta M = 3$)	93Oza
$[\text{C}_{42}\text{H}_{60}\text{GaO}_6]^3\bullet$ 	toluene ESR / 298 toluene ESR / 77 crystal structure, magnetic susceptibility	2.005 2.003 $^{69,71}\text{Ga}$: 0.74 (theoretical simulation of triradical EPR spectrum) $g = 4.001$ ($\Delta M = 2$) $g = 6.032$ ($\Delta M = 3$)	94Lan
$[\text{C}_{44}\text{H}_{28}\text{ClGaN}_4]^{\bullet-}$ $[\text{Ga}(\text{TPP})\text{Cl}]^{\bullet-}$	electrolysis dichloromethane ESR / 115 electrochemistry, UV-VIS spectroscopy	~ 2.00	85Kad1
$[\text{C}_{44}\text{H}_{28}\text{ClGaN}_4]^{\bullet+}$ $[\text{Ga}(\text{TPP})\text{Cl}]^{\bullet+}$	electrolysis dichloromethane ESR / 298 electrochemistry, UV-VIS spectroscopy	$^{69,71}\text{Ga}$: 1.0	85Kad1

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{44}\text{H}_{28}\text{ClInN}_4]^{\bullet+}$ $[\text{In}(\text{TPP})\text{Cl}]^{\bullet+}$	electrolysis dichloromethane ESR / 298 electrochemistry, UV-VIS spectroscopy	2.003 ^{115}In : 1.41	85Kad2
$[\text{C}_{46}\text{H}_{33}\text{InN}_4]^{\bullet-}$ $[\text{In}(\text{TPP})\text{Et}]^{\bullet-}$	irradiation THF ESR / 300 electrolysis THF ESR / 115 electrochemistry	2.004 ^{115}In : 1.05 $g_{\perp} = 2.002$ $g_{\parallel} = 1.968$	89Kad1 89Kad1
$[\text{C}_{46}\text{H}_{52}\text{B}_2\text{N}_2]^{\bullet-}$ 	chemical reduction THF ESR / 300 ENDOR / 200 electrochemistry, MO calculations	2.0027 ^{11}B : 0.2 $\text{H}(2)$: 0.085 $\text{H}(3)$: 0.085 H : 0.023 H : 0.014	92Lic
$[\text{C}_{46}\text{H}_{52}\text{B}_2\text{N}_2]^{\bullet+}$ 	chemical oxidation dichloromethane ESR / 300 ENDOR / 220 electrochemistry, MO calculations, UV-VIS spectroscopy	2.0030 ^{11}B : 0.016 $\text{H}(2)$: 0.225 $\text{H}(3)$: 0.083 H : 0.011	92Lic 93Lic

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[C_{48}H_{48}AlClN_8]^{•+}$ 	electrochemically generated acetonitrile ESR / 298 electrochemistry, UV-VIS and NIR spectroscopy	2.0016	89Fre
$[C_{48}H_{52}B_2]^{•-}$ 	chemical reduction THF ESR / 300 ENDOR / 220 MO calculations	2.0027 ^{11}B : 0.2 H(2): 0.085 H(3): 0.085 H: 0.023 H: 0.014	92Lic
$[C_{51}H_{78}GaN_3O_3]^{•+}$ 	electrochemically generated acetonitrile ESR / 298 benzyl-deuterated (d_6) electrochemistry, UV-VIS spectroscopy, magnetic susceptibility	2.0041 ^{69}Ga : 0.230 ^{71}Ga : 0.290 H(3 H): 0.230 ^{69}Ga : 0.230 ^{71}Ga : 0.290 D(3 D): 0.035	97Ada

Substance	Generation / Matrix or Solvent / Method / T [K]	g -Factor / a -Value [mT]	Ref. / add. Ref.
$[\text{C}_{60}\text{H}_{92}\text{Ga}_2]^{\bullet-}$  $\text{R} = $ 	chemical reduction THF ESR / 298	^{69}Ga : 3.54 ^{71}Ga : 4.39 $\text{H}(3)$: 0.085	93He
crystal structure, UV-VIS spectroscopy			
$[\text{C}_{84}\text{H}_{117}\text{AlN}_3\text{O}_6]^3\bullet$ 	chemical reduction THF ESR / 298	^{27}Al : 0.42 ^{14}N : 0.47 $\text{H}(3)$: 0.28 $\text{H}(7)$: 0.33 $\text{H}(9)$: 0.21 $D = 16.0$ mT $D = 39.0$ mT	89Kar
$[\text{C}_{84}\text{H}_{117}\text{GaN}_3\text{O}_6]^3\bullet$ 	chemical reduction toluene ESR / 77	$D = 15.5$ mT $D = 30.0$ mT	89Kar